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# CAMPING MAGAZINE

OFFICIAL PUBLICATION - AMERICAN CAMPING ASSOCIATION

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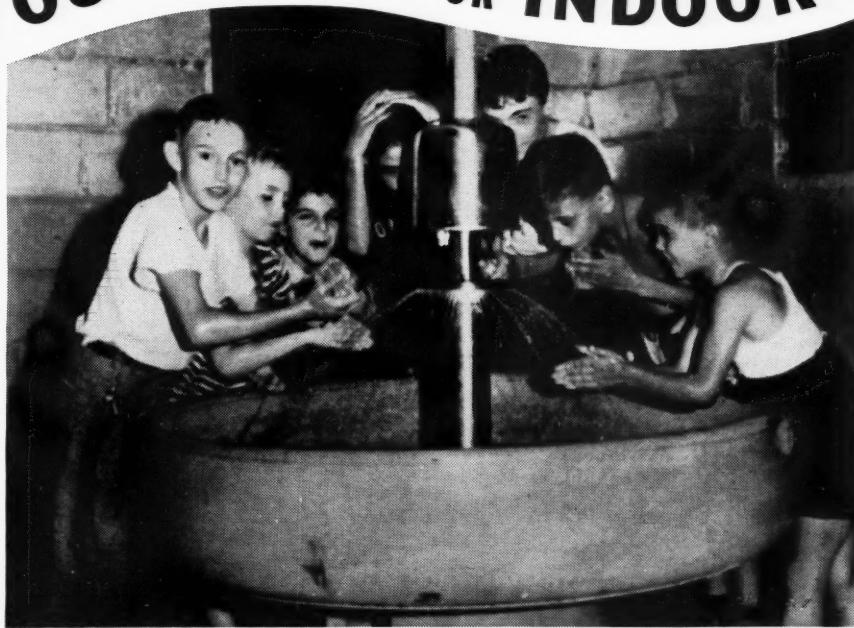
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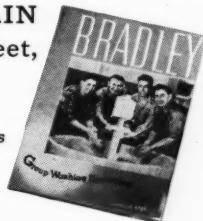
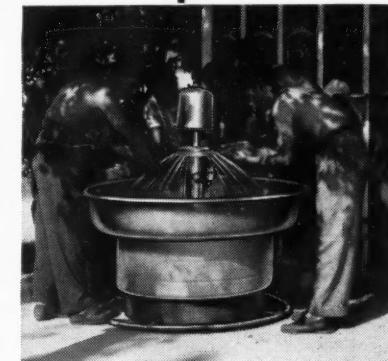
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# Last Call for ACA Convention

**A**S CAROL Gulick Hulbert, past president of ACA, so ably stated "Our Association at its last Annual Convention adopted a set of national standards for camping. Thus the husky infant has grown to man's estate, with a form and structure all its own. But standards without implementation are worthless."

Dr. Hedley Dimock will open the American Camping Association's 21st Annual Convention, Wednesday evening, February 15, at the Jefferson Hotel in St. Louis, with plenty of punch and impetus for implementation of Camp Standards gained from "many sources and from varied motives of camp leaders." (See January CAMPING, page 22.) Will this be what will "give teeth" to our standards in order to be eligible for membership in a section of ACA? This report alone makes the convention of vital importance to every camp operator.

Thursday, Carol Hulbert will chair the Second General Assembly at which

time Dr. Park White, Dr. Julian Smith and Dr. Helen Ross will discuss the physical, intellectual and emotional life of the camper.

Thursday afternoon will see a galaxy of outstanding camp administrators and specialists in the field of outdoor education holding discussions on Current Camp Administrative Problems. Included are (1) Polio, Dr. M. J. Steigman; (2) Administrative Problems in Agency Camps, Hugh Allen; (3) Food, Herbert Twining; (4) Records, Dr. Augusta Jameson; (5) Lay Boards and Committees, Catherine Hammett; (6) Training, Dr. Dimock; (7) Health, Dr. Wissmath; (8) Property, Julian Salomon; (9) Program Needs and Layout, John Ledlie; (10) Insurance, Charles Gibson; (11) Legislation, William Freeburg; (12) Community Aspects of School Camping, Julian Smith; (13) In-Service Training, Robert Gould; (14) Counselor Recruiting, Mrs. J. F. Purvin; (15) Counselor's Meetings, Barbara Joy.

Each and every subject chairman will be ably assisted by nationally known Resource Persons. If space would permit, we should like to list the 60 big-name people who will have answers to the discussion questions. (Note: Chairmen and Resource personnel, please bring outline or brief statement, so you can be correctly reported. Thanks.)

Thursday evening, a panel of campers will tell us about "The Plus that Camping Gives." Marie Shaver of St. Louis will keep this session moving. Speaker of the evening will be Lt. Col. Charles H. Dodd, of Atlanta.

Relaxation through social recreation, games, singing and square dancing will be interspersed between sessions. Larry Eisenberg, from Nashville, will be master of ceremonies.

Friday morning John Ledlie, the "Y" camping authority, will be the MC for the discussion "Organizing Camp to insure Democratic Practices," which will include (1) The Unit Plan, by

Committee members planning the 21st Annual ACA Convention at St. Louis are shown at left. Left to right, front row, Max J. Lorber, president of the St. Louis Section of ACA, convention hosts; Miss Marie Shaver, associate program chairman; J. Edward Dodds, general convention chairman; Miss Annabeth Brandle, coordinator of committees; Alfred H. Wyman, program chairman.

Back row, W. Stradal, publicity chairman; Mrs. Leslie Lyons, committee member; William Becker, committee member; Mrs. Ruth Becker, banquet chairman; Herbert Bodley, chairman of exhibits, and Gilbert Harris, convention business manager. Not in picture: Charles M. Shaw, consulting attorney to the committee; Leslie Lyons, committee member; Gene Greening, educational exhibits; Harold Bourgeois, kindred groups; Mrs. Ruth Isserman, proceedings; Charles Bluestone, housing; Gene Altman, arrangements; Miss Janet Johns, hospitality; Miss Alice Saunders, ACA memberships; Edward Petrikovitsch, registration and tickets; and Miss Marjorie Runde, assistant coordinator of committees.



Dr. HEDLEY DIMOCK  
Keynote Speaker at ACA Convention

Mrs. Richard Beckhard; (2) The Senate Type, by Paul Yates; (3) The Living Group, by Dr. L. B. Sharp and (4) The One-Unit Camp, by Stanley Michaels.

Friday at 11:00 a.m. will be the Annual Meeting of the ACA. This is our professional opportunity to voice our opinions and hear what causes ACA to function so efficiently.

Friday afternoon all delegates will have an opportunity to attend at least two discussion group meetings on Program Planning methods and skills and procedures. One set of meetings will comprise (1) Music, led by George Campbell; (2) Trailside Cooking — Lloyd Shafer; (3) Conservation — D. W. Frazier; (4) Nature Lore — Nelson Dangremond; (5) Water Safety — Carroll Bryant; (6) Trips — Lyndon Cedarblade; (7) Camp Fires — Wayne Sommer; (8) Astronomy — A. L. Bedell; (9) Special Days — Larry Eisenberg; (10) Lifesaving Devices — J. Mueller; (11) Grouping — H. Bishop; (12) Child's Program — Barbara Joy.

The second group consists of (1) Older Boys and Girls — C. Weekwerth; (2) Co-Educational Groups — leader to be announced; (3) Young Adults — Ruth Stevens; (4) Camper Government — Brad Bentley; (5) Natural Crafts — Dr. Miller; (6) Environmental Games — Merle Shippey; (7) Camp Craft — Barbara Joy; (8) Week-end Camping — Margaret Cragg; (9) Camping for the Handicapped — Ken Flanagan; (10) Water Craft — E. Haapaniemi; (11) International, Interfaith Camping — G. E. Jonas; (12) Indian Dancing — John Gamble.

Friday evening, President Clark C. Keubler, of Ripon College, will speak on the subject "Education—for what?" Lloyd Shafer, Scout Executive, will

speak on the topic "Both Ends Against the Middle." This meeting will be under the chairmanship of Leslie Lyon, while Mrs. Ruth Becker will be MC.

Saturday Thelma Patterson will direct the program on the subject of Public Relations. Elizabeth Brown, Kay Curtis, Mrs. Herbert Sweet and Otto Rosahn will give brief reports on the Bear Mountain Workshop. A Panel Discussion on Implementation of Public Relations programs will be conducted by nationally known public relations people.

Saturday afternoon will be devoted to a continuation of the Thursday afternoon Discussion Groups on Administrative Problems. There will be short, concise reports on Administrative Problems, organized as "Curbstone Sessions" in the Gold Room of the Jefferson Hotel. The Conference will be concluded 4:00 p.m. Saturday.

Last, but not least, your attention is directed to the kindred group meetings which take place the first day, Wednesday, February 15th:

There will be 21 Kindred Group Meetings scheduled from 10:00 a.m. to 2:00 p.m. Each kindred group has organized its own program, selected its own speakers and resource persons.

The following groups and chairmen have scheduled stimulating and purposeful programs: (1) Boys' Clubs; (2) Boy Scouts; (3) Camp Fire Girls; (4) Catholic Camps; (5) Day Camping; (6) 4H Camps; (7) Girl Scouts; (8) Government Agencies; (9) JWB; (10) "Nursery" Camps; (11) Private Camps; (12) Protestant Camps; (13) Salvation Army; (14) School Camps; (15) College Training; (16) YMCA; (17) YWCA; (18) Youth Hostels; (19) Newspapers; (20) Settlements.

The Campfire Girls; YMCA; Jewish Welfare; YWCA; Salvation Army; Private Camps; Day Camping and School Camping group meetings will carry over into the afternoon. There will also be afternoon meetings for people interested in Caravan Camping; Co-Educational Camping; Year-Round Camping and Camping for Old Folks.

---

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We (I) wish to register for the

\$12.00 for the ENTIRE CONVENTION (for non-members of the ACA) includes all meeting and conferences, and the banquet on February 17.

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Single day, \$2.00 for ACA members (not including banquet)

Single day, \$2.50 for non ACA members (not including banquet)

One-half rate for students (not including banquet)

Banquet ticket only, \$4.50

A reservation fee of \$5.00 (per person) must accompany this application. Make all checks payable to the AMERICAN CAMPING ASSOCIATION OF MISSOURI, INC.

# Counselor Rating Scale

*Aids camp directors in counselling staff,  
developing counselors to fullest extent*

By J. Kenneth Doherty, Ph.D.

CAMP DIRECTORS would undoubtedly agree that one answer to the problem of establishing a happy camp family lies in securing mutual and sympathetic understanding between the individual counselor and the camp director or head counselor. Such an understanding can result only when there is opportunity for direct and personal discussions of their mutual problems: the larger problems of the camp, the counselor's camper problems, as well as his own personal problems.

Unfortunately difficulties constantly arise in connection with such discussions. They are often postponed for other "more immediately pressing" matters. Failure to clarify the educational and non-fault-finding purposes of discussions brings handicaps before they even start. Innumerable camp duties do not permit the director or the counselor to plan discussions so that much valuable time is wasted in preliminaries. An indiscreetly worded remark by the director or misinterpretation by the counselor often leads to emotional biases and conflicts.

The following educational scale was

devised at National Music Camp by members of the University of Michigan Graduate Course in Camping as one means of overcoming these difficulties. Its full use involves four phases:

(1) When sent to prospective camp counselors, it indicates camp interests and methods and enables them to ascertain their place and interest in such a program.

(2) During the pre-camp educational period, it forms the basis for many group discussions and talks. Slightly modified mimeographed sheets are distributed which are headed, "A Good Counselor at the National Music Camp

## Counselor's Education Scale - National Music Camp - 1949

Legend: 1—Excellent  
2—Good  
3—Average

4—Deficient  
5—Poor  
x—No opinion

Counselor's Name .....

Rated by .....

Date .....

The use of plus and minus signs is helpful in indicating growth.

The primary purpose of this scale is educational. It should be recognized that it is as much of a test of the rater's ability to understand and judge others as it is of the abilities of those who are judged. However, the director-counselor discussions which are an essential outcome of the use of this scale cannot fail to be educational for both.

### Counselor-Camp Relationships

	2ND WEEK	5TH WEEK	8TH WEEK
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1. Genuinely enjoys the camping experience in both its out-of-doors setting and its camper-group relationships .....
2. Possesses a sympathetic understanding of and actively promotes the basic purposes of the National Music Camp .....
3. Acts and co-operates in helping others to act in ways which are consistent with the rules and regulations of the camps .....
4. Prepares effective individual and group records and reports and utilizes them .....
5. Is prompt in the discharge of duties .....
6. Takes proper care of camp equipment .....
7. Demonstrates knowledge, ability, and experience in teaching or conducting:
  - a) appropriate land sports .....
  - b) aquatics (swimming, diving, life saving) .....
  - c) campfire programs .....
  - d) music or arts activities .....
  - e) group discussions .....
  - f) talks and story-telling to groups .....
  - g) out-of-camp trips and trip activities .....
8. Is friendly with and well liked by his fellow counselors .....
9. Respects the merits and contributions of other counselors despite real differences in areas of activity, methods, or evaluations .....
10. Shows poise and pleasant manner in talking with parents or other adults .....

is." There follow identical statements to those which occur in the scale itself.

(3) The scale is devised primarily as an educational basis for discussions at the end of the second and the fifth weeks between counselor and director. Necessity for making accurate ratings forces the director to observe the counselor in the various phases of his work, a most desirable outcome which is often neglected.

(4) When evaluations are made during the last days of the camp season, the device becomes a rating scale and aids the director in making decisions relative to rehiring, rejecting, or advancing counselors for the coming camp season. In this use, it is desirable to secure many ratings. Ratings by other counselors, and, in most cases, by campers as well, are a valuable aid and check on the director's opinions.

*Dr. Doherty, the author, has had more than 20 years of camping experience, as a counselor, head counselor, guidance counselor and director. This*

***Try this unique and "campy" hanging bookshelf to spark your staff's interest in reading counselling literature.***



*article is based on his current activities as director of the junior-intermediate boys divisions of National Music Camp, and his work in teaching graduate courses in camping at National Music Camp, for the University of Michigan.*

### Counselor-Camper Relationships

11. Campers enjoy being with him .....
12. Understands basic motives, needs, and problems of campers and appropriate solutions for them .....
13. Uses co-operative and democratic methods rather than autocratic .....
14. Secures proper conduct of his campers:
  - a) during rest hour and after taps .....
  - b) in the dining room .....
  - c) at concerts and similar group meetings .....
  - d) in following camp regulations .....
  - e) in maintaining cabin and camp cleanliness .....
  - f) in maintaining personal cleanliness .....
  - g) in being punctual .....
  - h) in avoiding and minimizing intra- and inter-group dissension .....
15. Stimulates camper interest in basic social problems and guides attitudes and conduct toward right paths .....
16. Is sympathetic and helpful to "difficult" campers as well as "good" campers .....
17. Uses techniques of teaching activities which best promote the growth of campers rather than "just getting things done" .....
18. Gets things done .....

### Personal Aspects

19. Evidences a desirable sense of humor .....
20. Reveals an appreciation for the finer things of life .....
21. Has no personal problems which impair his services as a counselor .....
22. Cultivates habits which contribute to personal cleanliness, health and efficiency .....
23. Maintains a clean and neat personal appearance .....
24. Makes proper use of the English language .....
25. Maintains unemotional and objective attitudes toward undesirable conduct of campers .....
26. Maintains patience and poise in irritating situations .....

# Good Counselors



## Are Made in Camp

*By Mrs. B. A. Sinn and  
Mrs. Herbert Pels*

**Co-Directors, Camp Severance**

WHENEVER a group of our older campers is ready to consider counselor training, we offer a course that extends over an entire season. During the past 10 years, we have given five such courses. The girls we have trained have, in most cases, made desirable and satisfactory staff members in the camps where we placed them.

It is made quite clear to candidates that this training course is not just another carefree camping summer, that once they enroll they must see it through, and that when they have completed the work to our satisfaction, we will endeavor to place them in a camp position the following summer. We urge them to seek work in an agency or organization camp, for we stress the fact that in such environment they can gain valuable experience not available elsewhere.

The girls who take this course with us are called "trainees," and their number is usually limited to eight in one season. We choose our own campers first, but we also take girls from other camps. They must be 17 years of age, have had four years as a camper, and be in college or going to college after the summer's training. Our object is to give each trainee a complete all-round counselor training. While each girl may specialize, she must also know enough of general camp routine and activity to

be of help wherever she is most needed. We try to inculcate in our trainees the best camping philosophy, good educational concepts, an open mind and a willingness to learn and serve.

Trainees live together in one cabin, somewhat removed from the regular campus. They have an advisor, who is a staff member and has duties other than working entirely with the trainees. The camp staff, the campers and the trainees themselves understand that they are in no way Junior Counselors, but that they are partaking of a teaching program. Only in the last weeks of camp, do trainees do the equivalent of practice teaching.

Program for the group is set up by the program director in consultation with the group's advisor. Trainees work a week each, in six different areas. In the last two weeks of camp they concentrate in that subject or subjects which they wish to teach the following season.

### SIX AREAS OF TRAINING

The six areas in which our trainees work are briefly as follows:

The Arts department offers opportunities to specialize in fine arts or in crafts, drama, music or dance. Trainees may attend a variety of classes, or they may choose one and spend the entire week on that. Here they observe and participate with the campers and see what methods are employed to stim-

ulate interest and bring out latent talents.

In dramatics they can help with production, costuming or staging, but they do not take part in plays with campers.

The Athletic department offers a chance to partake and observe a great variety of land sports. Trainees are always scheduled with children 12 years and younger, where non-skill games and group activities are stressed. Here, too, they may play in games with the campers, while learning how skills are taught. They help referee and thus learn the rules of the games. Often, too, they pay special attention and coach children who need extra help, thus learning methods that will be of help to them later on.

Working in the Household department seems at first to attract trainees less than other departments, but once they are on this job, they usually like it. With the dietitian, they plan meals, check incoming food, keep records, supervise the dining-room, help give out between-meal snacks, and watch camper eating habits. They often can give valuable advice on meal reactions of campers and staff.

They also sort laundry when it comes in, and once a week, at camp cook-out, they learn to organize and supervise this activity.

The week trainees spend working on Office Duty is usually an eye-opener. For the first time they see all the

work that goes into the making of a daily schedule and of trip arrangements. Trainees help with record keeping, type notices, do simple clerical work, check out-going mail, act as messengers, answer telephone, send telegrams. They learn how to handle the camp store (canteen) and generally make themselves useful in a busy office.

Working at Outpost is probably the favorite of all trainees, for during this week, they assist outpost counselors in organizing and preparing cook-outs and sleep-outs, and they help plan meals and assemble things needed for living in the woods. They sleep out several times in this week. When all the campers have had their preliminary outpost training and begin to go on trips, trainees go along as assistants wherever there is need for their services.

The days trainees spend at the Waterfront are of course very important. They spend their time on the docks and in boats watching teaching methods and learning safety measures. They study Red Cross Manuals, and complete their Senior Life Saving, if they have not already done so.

#### PLANNED SCHEDULES

These then are the general areas in which trainees work during their first six weeks of camp. They are usually scheduled two to an area at a time; we find this provides a better basis for discussion, and often trainees bring in different observations on the same activity.

Program for the trainees is more or less set. The first period of the day is devoted to lectures, five mornings a week. At this time they meet with their advisor, who gives them talks on simple child psychology, a certain amount of sociology, and the basic concepts of camping pedagogy, as well as general educational criteria. Various staff members are asked to come in from time to time to lecture on a wide range of special subjects.

One morning a week is devoted to summing up and clarifying what has been observed during the week, and one morning is devoted to book reports and special subjects that may be of timely interest. At the end of each period there is time for discussion. During the second period, trainees work in the department assigned to them for that week. In the third period, waterfront instruction is usually provided for all, although in some cases, trainees may continue to work in their special departments.

Afternoons are almost always free. Instruction in sports is available, but if the trainee wishes, she may swim, paddle, sail, play tennis or even take a free afternoon. If some trainees are working on something special, like making costumes, they will use this time for it. Or they may do the required reading, which brings us to the next part of the program.

Each trainee is required to keep a complete notebook on her activities, lectures and observations. They are assigned reading and must bring in several book reports. They are urged to delve into the staff library, and to read the *CAMPING MAGAZINE* of which we have a complete file. They are asked to develop a game an activities file, to prepare a bibliography for their own use, to have ideas ready for stunt evenings, impromptu parties, camp fires and rainy day programs.

Early in the season, each trainee selects one camper in the group under 12 years of age, and she does a case study of this child during the entire summer.

Trainees are invited to attend a number of staff meetings, so that they may learn what is discussed. At the end of the summer, when we compile our camper reports, trainees attend those staff meetings devoted to the younger campers with whom they have been in frequent contact.

During the summer, trainees are taken to visit a number of nearby camps, so they can see for themselves how different camps operate.

Trainees eat at tables with campers during the week, acting as assistants to the regular counselors. On week-ends they have their own table and have no dining-room duty.

During the last four weeks of camp, trainees sometimes assist in cabin duty

when staff members have days off. They work two together and all their duties are with the younger campers.

Trainees may not serve on camper committees nor do they play on camper teams, but they often informally challenge campers to games and contests. Trainees write and produce their own camp show and present it as part of the regular dramatic program. In the evenings trainees partake of evening activities on a camper basis, but when campers go to bed, trainees go to their cabin and have a later curfew than the campers. Once a week, after supper, trainees go to town and one of the staff chaperones them in the camp car.

The summer passes all too quickly. More and more our trainees feel that they have so much to learn. One of our great difficulties is not to overwork them. They are so eager and willing it is hard not to give them more to do than they can handle.

During the last two weeks of camp, trainees do their practice teaching under the watchful eye of staff members. They are at all times encouraged to discuss their observations freely, and the staff, who are most interested in the trainee project, are always ready to talk and work with them.

Trainees do look forward to being on our staff some day, but they know that they must spend at least one or two years away from us before they can come back. Often this is our loss, for many trainees become so interested in an agency camp that they prefer to stay on there and not return to us. Of each trainee group, we usually have only about two who eventually become our staff members. We are happy to train these young women to work in agency camps, for we feel that this is a contribution to community work that we can make.





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# Let's Keep the Staff Smiling

By Robert W. Zinkhan

HAPPY COUNSELORS are more than important to the successful operation of your camp. They are absolutely essential! For happy contented counselors mean that you will have happy contented campers. There is no escaping this basic truth. And to achieve this end, you must give your counselors the best treatment in your power.

I do not mean to imply that you should operate a camp for counselors in any sense of the word. But I do want to stress the necessity of caring as efficiently for your paid staff as you do for your young guests. The ability of a young man or woman to produce successfully throughout the long season is directly proportional to the insight you, as director, give to his wants and needs.

As counselor of many years standing, I know whereof I speak, and I pass these thoughts along in the hope that other camp directors will be as sympathetic to the needs of their counselors as my past employers have been.

Dr. Don C. Broadbridge, director and owner of Camp Deerhorn, in Wisconsin, has gone far to ascertain that his camp is a happy one. I think that he has been successful primarily because he has understood so well the problems of his staff.

Actually, Dr. Don has carefully avoided drawing too sharp a line between camper and counselor. We are in truth a big, well-organized family, with counselors serving more as big brothers, rather than the old Army Sergeant type of leader.

Along with vast understanding of your staff and their problems, do not neglect the important project of allotting a portion of the camp's physical plant for exclusive use of the counselors as a hangout. Here the staff man or woman can relax during off-duty hours, pop in for a smoke if the policy of the camp permits, and in general, have a hideaway in which campers are not allowed.

It isn't that we counselors do not like children, or even that we are trying to escape them. We do need certain periods to be with folks our own age, and moments of rest when we can re-

gain our perspective. The most calm and assured of us will lose poise at times, and find ourselves speaking and acting in a manner that isn't normal

Some camps utilize spare rooms in the main lodge building for a counselor's room. This is a good arrangement, for the staff is always close at hand when needed for duty. Other camps have established a set-up that is really more desirable. They have built a small lodge especially for use by the counselors, but still located in the center of camp activity. In some cases a spare cabin has been converted for this purpose.

A fireplace of some sort is an excellent asset for this haven for counselors. Many camps are situated in areas where the weather gets quite cool by evening, and the blazing fire adds comfort and plenty of cheer.

Lots of table space is a prerequisite of a useful counselors' room. Here the staff can write letters in the evening, fill out camp reports, handle official camp correspondence, or just relax over a game of bridge.

Along with this, adequate lighting facilities must be arranged. No one can write unless he has the proper amount of light. Overhead lights and table lamps together will assure enough light for any activity conducted in this staff room.

Another practical accessory is a telephone. Often individual camp conditions rule this out as impractical, but in most cases a phone located in this area can be invaluable. A pay phone is probably the best solution, for the account can be managed apart entirely from the camp business telephones.

A soft-drink dispenser is a welcome treat in camp, and especially to the counselors. The staff room is ideal for this item, as many camps have a policy against serving this type of thing to the youngsters. I know of an instance where one counselor took complete responsibility of the soft-drink dispenser as a private concession. He handles all finances and labor involved, while the camp remains apart from the deal, other than giving its approval. The counselor, in turn, reaps the profits, such as they are.

Experience has proved to me that one of the most effective ways of assuring a full staff, even late in the evening, is for the camp to supply the staff with snacks after campers have retired. This ties in closely with the important consideration of counselors' nights of liberty. At one camp where I was a staff member, the policy was flatly to furnish meals to the staff at normal times, and to ignore altogether the off-duty snack. Late in the evenings we would get hungry, and many times would have to resort to slipping away to a nearby eating place to buy sandwiches and milk.

Undoubtedly the camp was undermanned during these periods. How unnecessary! If we had only been given a glass of milk and a cookie we would have been content to chat awhile after taps and then go to bed early.

At Camp Deerhorn the situation is very different. In the middle of the evening, all campers receive a bedtime snack of milk and cookies or cake. Later, when the children are sleeping and the staff has drifted back to the lodge, a tempting spread has been laid out in the kitchen for all who are hungry. Lots of milk, spreads for sandwiches, cake, cookies, coffee, sometimes even pie or left-over desserts. Most of the staff prefer to remain in camp instead of rushing into town every night. Many are the times we let our "off" nights go by the wayside in favor of a friendly evening at Deerhorn. Whatever the financial problem involved, how well the effort is rewarded.

Staff mail can be placed in the counselors' room, and they can read it away from the hustle and bustle of the average campers' cabin. This spot is an excellent location for staff meetings. Along with this, once-a-week meeting parties are a very good idea. Here is an opportunity for the director and his department heads to meet with the rest of the staff in a friendly and informal manner. Business and pleasure can be combined easily and naturally, often with better mutual understanding than from the everyday gatherings.

Many successful directors make it a policy to drop into their counselor cabin or room at least once a day for a relaxing chat with individual members of the staff, or with small groups assembled there. They can thereby keep in closer contact with minor happenings and behind-the-scenes activity in camp. Often this can mean a great deal to the camp operation as a whole.



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# Here's a Way to Better Counselor Training

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**C**OUNSELOR TRAINING courses can in no sense be considered new to camping; indeed they constitute a well-accepted feature of our camping movement. Courses conducted by colleges and universities; by camping associations; and by organizational groups are found in every area of the country. The growing need of combining efforts of camps and colleges\* toward better training of counselors motivates this article. Through such a combination of talent and resources as is described here tremendous gains may be realized. It is the method of developing a cooperative training course, and the manner that the course is handled, rather than the content, that makes the experience described here a bit different from the usual kind of training course.

As the 1949 camping season approached, the Leadership Training Committee of the Chicago Camping Association (ACA) asked George Williams College, which is located in Chicago, to cooperate in setting up the Spring Training Course for prospective camp counselors in the Chicago area.

The College, already offering several courses in Camp Counseling, Administration, Camp Craft, and Nature Lore, was well equipped and particularly eager to help in this project. The author was appointed by Dean Hedley S. Dimock as coordinator for the course.

Two planning sessions brought agreement on time and place, promotional methods, registration procedures and fees, and general content of the course. It was decided that the course should be conducted over a period of three Friday evenings, from 6:15 to 8:45 at a downtown Chicago location, concluding with a weekend in the County Forest Preserve.

A special sub-committee handled promotion, sending out attractive but economically-produced leaflets to all members of the Camping Association, to colleges in the area, and to all people who had registered with the Counselor Referral Service of the Camping Association. Another sub-committee handled registration. Both of these committees were aided greatly by private and or-

*By Hugh D. Allen  
George Williams College*

ganizational camp directors, who contacted their counselors in the area; several directors provided a part or all of the course fee of \$4.00. The result was that 73 people registered for the course.

A valuable experience for all concerned took place when the Leadership Training Committee, supplemented by several additional camping people, examined the coordinator's proposed outline for the course, making suggestions for its improvement, and for the method of presentation. The following areas were included in the final outline:

- I. What is Camping?
  - Its history and philosophy.
  - Its trends.
  - Its place in education.
- II. Your Job and How You Prepare For It.
  - Basic understandings, attitudes and skills in leadership.
  - Camp organization — personnel and program.
  - Staff relationships and responsibilities.
  - What is expected of you and what you can expect from the camp.
- III. What Makes The Camper Tick?
  - Learning in camp.
  - The power of motivation.
  - Personality and character growth.
  - The individual in the group — the group process.
- IV. Keeping Campers Healthy and Happy.
  - Best health practices.
  - Health objectives.
  - Adventuring safely.
- V. What Is Camp Program?
  - "Planned" and "un-planned" program.
  - Teaching skills plus teaching skills.
  - Balance and flexibility in program.
- VI. Personal Growth.
  - Utilizing experience for personal growth.
  - "Taking it" and "dishing it out."
  - Records and how we use them.
  - Learning from our colleagues.
- VII. Living and Learning Together In The Out-of-Doors — A Practical Experience.
  - Planning cook-outs, overnights and extended trips.
  - Use and care of camping equipment — knives, saws, packs, tents, etc.
  - Fire building and fire tending.

Out-door cooking—soup to nuts. Constructing camp devices — pot-hooks, cooking cranes, chippewa kitchens, rustic tables, chairs, etc.

Identification and use of native materials for program purposes — birds, plants, trees, etc.

Song sessions, story telling and star legends.

Good conservation practices.

Well in advance of the opening session, the services of 35 outstanding directors, experienced counselors, and college instructors were solicited. These people served as discussion leaders and resource people for the work groups and informal discussion groups into which the class was divided as the course progressed.

Each of the three evening sessions was divided into three parts. The coordinator first presented the background and introductory materials for the topic of the evening, pointing up possible areas for discussion, through illustrations and anecdotes from camp living. Then the class divided into smaller groups for discussion, where they were guided by the experienced camping people. Returning to the general session, recorders from each group summarized the discussions. At the conclusion of the reports, resource materials for the following week's class were presented, and planning was done by the whole group toward the week-end outing.

On the Friday afternoon following the last downtown session, class members converged on the area of the County Forest Preserve. Some came by car, while others hiked in from the end of a bus line two miles from the YMCA cabins which served as headquarters for the weekend. The last semblance of reserve remaining after three classes together was broken in short order as all hands turned to in the preparation of the first evening's meal.

Merely reviewing the course content for the weekend portion of the project as listed earlier in this article cannot do justice to the experiences which demonstrated far more eloquently than all theorizing, that learning, like program, takes place whenever and however people live together in a camp setting. A schedule for demonstration and practice of many phases of camp craft was maintained, running the gamut from the use of knife and axe to reflector baking; excursions went out on schedule under the direction of For-

est Preserve naturalists; but the entire program was kept flexible, and it was in the unplanned experimenting with cooking, tent-pitching, and tin-can craft; in the singing and story-telling around the fire, running late into the night; in the sharing of experiences and ideas in bull sessions under the trees; and in the continuous give and take of camp life that brought to us the growing realization that living together in the out-of-doors can be an educational experience, and that can be fun.

On Saturday the Camping Association held its May meeting in an adjacent area of the Forest Preserve. Many of the camp directors were able to observe the group in action, and even to participate in some of the projects that were in progress during the day. Although most of the students had already been placed, several contacts were made that culminated in summer employment.

Early Sunday morning, we all sat together on a hillside overlooking a wooded area bursting with the new life of Spring, and participated in a brief, inter-faith service led by members of the class. Then, after a breakfast prepared on hobo stoves, we sat down to evaluate our experiences as a class. We decided only a few things, but to us they were important:

1. The class should be opened with a weekend or at least a cook-out in the open to bring members and instructors together earlier in an informal setting.
2. The techniques employed in the downtown session were good, and the content was valuable.
3. A greater effort should be made to divide into groups according to experience, and perhaps a special class should be set up for advanced counselors.
4. The weekend was "terrific." Skills and philosophy of camping were ideally combined.
5. A reunion of the class should be held next year.

When the last fires had been extinguished the members of the class said their good-byes with more than one hint of regret that the weekend was over. It was evident this heterogeneous crowd of young men and women had become a group, with a renewed faith in camping as a real working force in the lives of people. It had happened to them.

\*See CAMPING MAGAZINE, February, 1949 issue for an earlier article on this subject by the author.



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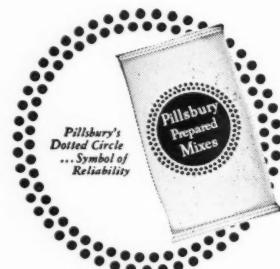
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# The President's Page

By Reynold E. Carlson  
ACA President

THE BIG EVENT towards which our eyes are all turned this month is the national convention in St. Louis, February 15 to 18. The St. Louis committee under the leadership of Ed Dodds has done a remarkably fine job in preparing a program that will be stimulating and valuable. All of us who are privileged to attend should absorb new ideas and an increased conviction of the worth of the camping movement to which we belong.

It is only once every two years that we are able to come together nationally in conference. It is therefore all the more important that we have a large and representative participation.

Convention time will also be the time when other business of the American Camping Association moves ahead. It will provide the opportunity for the officers and committee chairmen to report to the membership on progress during the year. It will be the time at which our staff will report on the extent and variety of services rendered by our national office. It will make possible the securing of reports from sections on achievements through the year and the exchange of information on what has succeeded and what has failed.

At the board meeting, which will be held on Tuesday, February 13, will be

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### TALKS TO COUNSELORS

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What the counselor needs to know to work in the modern camp. In non-technical language it applies the contributions that psychology, mental hygiene, character education, and sociology can make on the counselor's job.

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### FIFTY CASES FOR CAMP COUNSELORS

Roland W. Ure

A manual credited with "much of the progress made in the last decade in educational camping." Covers the entire range of camp activities and relationships, using cases that serve as starting points for staff discussions.

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### SOLVING CAMP BEHAVIOR PROBLEMS

J. Kenneth Doherty

A study in semi-outline form of why campers act as they do, emphasizing the cause underlying such typical behavior problems as homesickness, stealing, showing off, timidity, sex problems, eating habits.

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### SO YOU WANT TO BE A CAMP COUNSELOR

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### CAMP COUNSELOR'S MANUAL

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REYNOLD E. CARLSON  
President, American Camping Ass'n.

transacted much of the business of the Association. It is the Board of Directors that is the operating body of the Association, and it is our hope that every section will be represented. This is the place for suggestions for the improvement of services and for the initiating of new projects for the coming year.

The past year has been a year of growth both in the camping movement and in the American Camping Association. We all, however, recognize that we have a long way to go to attain the strength and to provide nationally the services that we as an organization should render. We are eager to have the suggestions and the constructive criticisms that will make more effective the work of the Association.

One of the finest things about our Association is the fact that we include in our membership representatives of all the varied aspects of American camps. We represent private camps, organization camps, public camps and special purpose camps. Our members include Catholics, Protestants and Jews and representatives of many racial groups — all working together in the common purpose of improving camping for American youth. It is this very variety that makes our meetings stimulating and enriching. We usually learn more from those of backgrounds different from our own than from those with similar backgrounds. It is only as we learn to understand each other's common problems, to learn from our differences, and to unite in the common cause of better camping for America's children that the American Camping Association can serve its best.

ONE PRIMARY aim of camps should be to help campers get acquainted with the life and beauty of the natural world around them, so generously provided for the enrichment of the earth and for our own lives. In such surroundings as may lift the spirit, a philosophy of life may be acquired which will carry through dark days of economic depression or of personal difficulties without loss of equanimity and poise.

To this generation living largely in urban areas, perhaps in close ranks of houses or layer upon layer in apartments, the heritage of the pioneer, the farmer, and the countryman of close contact with the soil and its dependent life has been largely lost. It is difficult in the midst of traffic, turmoil and the rattle of garbage and ash cans to be aware of the lilt of a bird's song, the color of fireweed, or the delicacy of Queen Anne's lace, unless sometime, somewhere, one has been exposed to these things and has learned to know them. Then the memory of their beauty persists. Not only do these lovely things in nature bring joy to our personal lives, but the consideration of the life that exists in God's universe unquestionably encourages consideration of one's neighbors, one's playmates, one's fellow campers.

In campcraft programs let's not leave neglected the woods and fibers and shells that might be gathered locally to make objects of enduring beauty and usefulness — camp shelters, gadgets to make camp cooking easier, doorstops, and other whittled objects for home-taking gifts, birdhouses and feeding stations for camp or home use, place cards for winter parties — decorated with colored shells from the shore or with bits of wild flowers, sketches or photographs taken about camp that will be a happy reminder later on of delightful days in the out-of-doors, or some things to share with a shut-in who cannot enjoy camp.

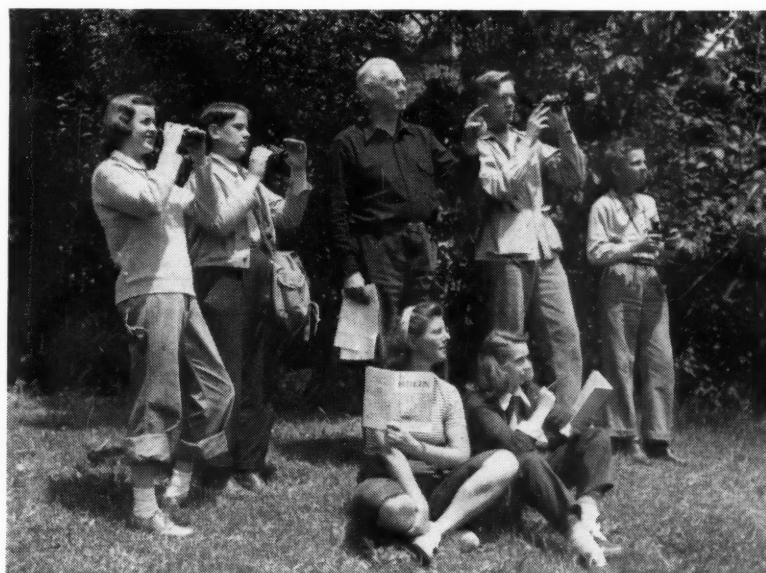
"But," ask camp directors, "how are we to carry on such programs? We can find so few counselors who are trained to make nature interesting to children — even though they may have an appreciation of it themselves." Furthermore, many of the counselors are city-bred and have not had nature experience. That is a real problem of camps

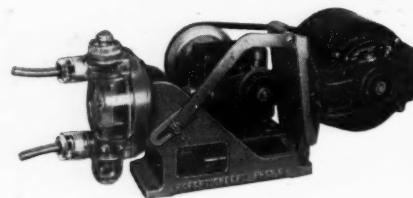
*This article by Mr. Mason is adapted from a speech presented at the last convention of the New York section of ACA.*

# Better Leaders for Better Nature Programs

By C. Russell Mason

Massachusetts Audubon Society





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today. We must face it and do what we can to overcome the difficulty.

Ideally, every counselor in a camp should be a nature counselor, weaving into the daily living of the camper contact with the life of the soil and the forest. Why should not the swimming counselor have her group pause to watch a fish hawk soaring overhead, or stop on the way from cabin to pool to admire checkerberry or cinnamon fern along the trail? Why should not the craftsman encourage the finding and use of native woods for objects of art or firewood or shelter-building?

But lack of contact with nature has prevailed for years, so that many counselors have had little training or interest in the subject as they progressed from childhood to adult life. For this reason it is usually necessary, and desirable, to provide a specialist in nature study, generally known as the nature counselor, to work with the children of the camp. Such a counselor should, however, also plan work with the other counselors in an attempt to weave nature into the whole program.

Your nature counselor needs a background of training and experience with the natural sciences. He needs still more, however. He needs an enthusiasm for the world of nature and a desire to awaken in others this same enthusiasm. He needs to know how to make nature study a happy adventure for children and adults, how to encourage the keenness of vision and hearing that must be developed to bring enjoyment.

The question you are going to ask is, "Where can we find trained leaders?" This is, of course, difficult, although every year more workshops for the training of leaders are being opened, and more courses in practical field biology are being offered. So the situation is not hopeless. My suggestions would be:

1. If you have a nature counselor already engaged, provide a scholarship for him at one of the many workshops meeting just prior to the opening of the camp season.

2. If you have no nature counselor, send one of your other and better counselors to some good workshop to take this nature training. The week of pre-camp training provided by many camps for their counselors is desirable but in most cases not extensive enough. Nature lore requires just as fine training and experience as any other profession, and much more than some.

3. Encourage the nature program by



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providing funds to maintain that department as any other.

4. Consider the desirability of a good nature library, a place for a constantly changing nature museum, and a place for the temporary housing of live material.

5. Carry on the nature program to some extent throughout the year. You cannot expect to put up birdhouses and bird feeding stations when camps open and have the birds come to them at once to be studied at close range, photographed, or sketched.

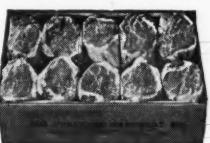
6. As directors, make your voices heard in teacher- and leader-training institutions to secure better training of counselors for your camps.

7. Make use of agencies that might be of help in a nature program, such as Audubon societies, nature clubs, State departments of agriculture and conservation, State colleges and their extension services, museums, forestry departments, schools, natural science workshops.

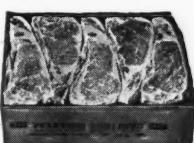
Interest in nature lore develops interest in the conservation of our natural and human resources. Conservation of our natural resources through contact with nature is a great challenge to camps today. Only through meeting this challenge will we take camping back to nature, where it rightly belongs.



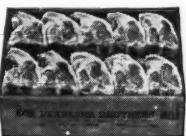
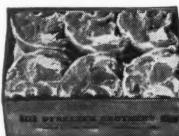
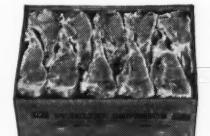
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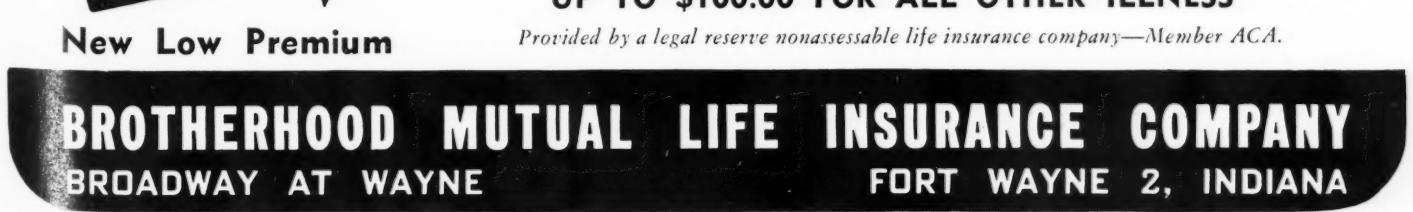
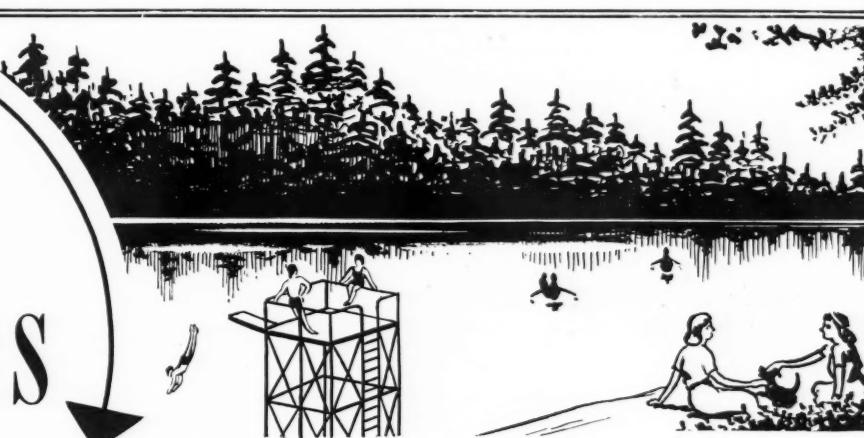
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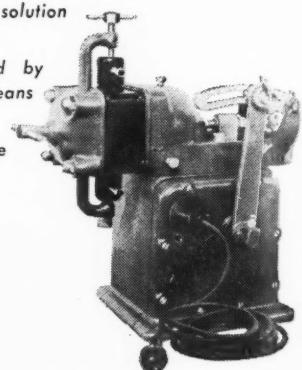
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# Sing a Song of Camping



THE PLACE FOR MUSIC in the camp setting should be considered as carefully as camp health standards or the time for swimming. It is especially desirable that every camper should have a chance to participate, whether or not she thinks she is able to do so. There should be opportunities during the day for all kinds of music participation and more than one singing period. Good times to sing may be while waiting to go into the dining room, grace at meals, at morning assembly, before lunch, after supper, during the evening, before bedtime, around the campfire, on the lake, or for worship.

In order that all the camp be a singing camp there must be song learning periods as well as periods for fun (it will all be singing for fun, we hope.) At these periods everyone will learn new songs and review old ones. This is the time to make sure all know the graces and to teach new ones. There might even be two such learning sessions in the day. One could well come in the morning, before an assembly or other meeting of the whole group, or could be set to fill in a little time before the swimming period. The other and best time for singing old songs and really learning new ones is in the early evening before the evening program. At least a half hour should be allowed here for a good session.

Singing may be a part of every camp activity. There are excellent songs which add to the pleasure of hiking, canoeing, sailing or "walking at night." Try to arrange a short period of singing at the very close for relaxation. It may be inside the hall, around the

fireplace, or on the beach beside the lake. The songs you choose will be of starlight, moonlight and campfire. The campers might like to wander back to their cabins, singing a favorite good-night song. A small group of serenaders singing softly as they tour the camp after "lights out" is a very pleasant way to lull tired campers to sleep.

One evening program suggestion: If you are camping beside a lake and if boats or canoes are available, be sure on a nice quiet evening to have a "Venetian Night." Announcement of it to the campers well ahead of time adds to the interest, and boats may be appropriately decorated for the occasion. Divide the camp into three groups, with a song leader responsible for each group. All three should be provided with a typed program. One group goes out on the lake, another on the beach, and the third on a nearby knoll or at the edge of the woods. The leader instructs her group on the songs that are to be used, and at a given signal the antiphonal singing starts. Group I begins by singing a couple of lines, and Group II should be ready to pick up immediately, followed by group III. There are many lovely outdoor songs and evening songs for this type of program. To vary the singing, have one group do an entire stanza, for in antiphonal singing there is as much thrill in listening as there is in singing.

At many other times during the day music can have an important part. All kinds of special music activity should be a part of camp. Of course there should be a choir to add a special savor to the worship periods. Listening hours

are very popular at camp if they are planned to begin at a simple enough level for complete enjoyment by all who want to try them. The playing of simple instruments has a great appeal for some who lack courage or opportunity to attempt them at home. The camp schedule should be flexible enough to allow for listening to special radio broadcasts of good music.

And then we encounter the old question of singing in the dining room. Often there is no greater bedlam than the competitive kind of shouting which sometimes goes under the name of singing while the meal is being served or the dishes cleared. This contest which makes campers swallow food whole, or leave it uneaten in order to be in on the next song, violates all the laws of health for which camps are supposed to exist. Even supervised singing when done to the accompaniment of a clatter of dishes cannot rightly be called music. Music demands discrimination of ear above all else. Anything which mars this is bad if our wish is to have good singing, whether we sing camp songs or grand opera. The dining room as a place may be all right for music, but, please, not in company with food or dishes! Dining room singing is seldom wanted when girls are given every opportunity to enjoy singing at other times throughout the day.

---

*From "Let's Have Music," edited by Music Committee, National Board, YWCA, Marie Oliver, Secretary. Used by permission of Woman's Press, New York City.*



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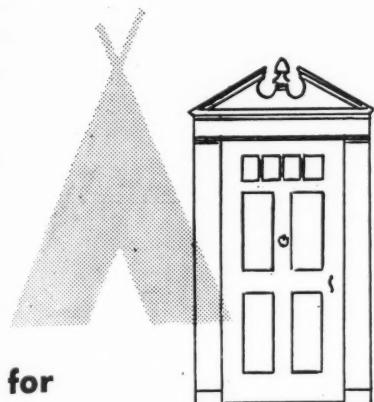
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# ACA Leadership Training

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Sub-committee on ACA Sponsorship of Leadership Training. Chairman — Mrs. B. A. Sinn, 38 East 85th St., New York City 28.

Sub-committee on Section Leadership Training Institute Coordination Chairman — Al Risedorph, City-County Building, Pittsburgh 10.

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Catherine T. Hammett, Box 97, Pleasantville, N. Y.

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John Kitchell, 311 North Central Ave., Phoenix, Ariz. (Arizona)

Miss Lenora Mann, 1712 N. Street, N. W., Washington 6, D. C. (Capitol)

R. E. Stultz, Department of Physical Education, Syracuse University, Syracuse, N. Y. (Central New York)

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Many sections have not as yet selected their leadership chairmen and we are looking forward to having every section represented on our National Committee.

There will be a meeting of the ACA Leadership Training Committee Wednesday, February 15, 4:00 to 6:00 p.m., at our national convention in St. Louis.

I am looking forward to meeting you all personally.

Robert B. Gould, Chairman

## Good Ideas --

from the camping students of "Cap'n. Bill" Vinal, University of Massachusetts, Amherst, Mass., as culled from their summer experiences in camp and recreation positions.

### Progressive Cookout

An enjoyable variation in program was our Progressive Cookout. On the cook's day-off the evening meal was planned as a cookout or picnic. The menu included such things as carrot-sticks, hot-dogs, milk, watermelon, and marshmallows. The idea was to have each course located at a different spot about the camp — such as first course on the ballfield, second at the waterfront, then to campfires for the hot-dogs and milk, to the lodge for dessert, and then back to the fires for marshmallows. Campers were not told what the next course consisted of, nor were they told the locations until the preceding course was completed. It took two hours to complete the meal in this manner, but it proved much more exciting than the usual meal in the dining lodge.

—Bob Reis

### A Nature Game

This past summer I worked at a hotel as a naturalist. One of the many problems I ran into was providing nature education for the older groups that could not get out on the nature trails. I could not bring wildlife to them, so I did the next best thing — I set up a nature game with pictures of the common wildlife.

The nature game consisted of a large board, four feet by three feet, with pictures of wildlife — ferns, wild flowers, trees, birds, and animals along the top five-eighths of the board. In the remaining area were the names of the wildlife. In each picture and name was a contact made from a rivet. The object of the game was by means of two wired pointers to connect the picture with the right name. When this contact was made a light in the middle of the board flashed.

The nature game I placed in the sun porch of the hotel, and it was an immediate success. Two people could play the game, one putting the pointer on the picture, the other person trying to find the right name; or one person could test his identification of the 70 species of wildlife included. True, pictures are not as beneficial as the real object, but in this way I brought a



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little nature and fun to those who could not get out on the trails.

—Philip Ross

### What Shall We Eat?

How many children who spend the summer at camp know about the food which grows wild in the woods and fields where they play and hike during camp season? This should probably be one of the aims of the summer program. Children remember the trees and plants better if they know of a practical use for them along with the name.

Teach campers the various plants that the Indians used for food and the

vegetables and berries that the settlers gathered to add to their scanty food supply. There is scarcely a possibility that the camper will ever get lost and have to depend on the wild plants for food, but it certainly would give him a feeling of security to know that in case such a situation did arise, he could find some food to eat.

There is an excellent book from which the camp counselor can get information. The title is *EDIBLE WILD PLANTS*, by *Atiner P. Medsger*. (Macmillan Co., N. Y. 1942)

Two or three counselors and campers could lead a camp program on good things to eat from the camp woods. Or an interesting and educational bulletin board could be made. One of the favorite refreshments made by campers is sassafras tea. They prefer it iced. It is made from the young roots of small trees and only a few roots are required. Black birch and sumac tea can also be made. The latter is better known as pink lemonade. Leeks, wild berries, many garden weeds — all of these are good to eat and are wonderful additions to salads.

Let your campers learn a little practical information about the woods and fields that surround them all summer!

—Martha Coady

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# Books

WHITHER AWAY? by Evan F. (Pipesmoke) Cary. Published by the author, Route 11, St. Paul 7, Minn. Reviewed by C. Roy Terry, Jr., Graduate Student, Springfield College.

Mr. Cary has captured in print the beauty, peacefulness and adventure that make up the wilderness canoe country of the Superior National Forest in northern Minnesota and two park districts of Canada. To persons who have experienced the thrills and pleasures of camping in such a wilderness, the book will bring back sweet memories.

The less fortunate, it will serve to indoctrinate and lure to the Voyageurs' way of life. At the same time, it will furnish them with a great deal of hard-to-get information about food, equipment and where-to-go in this wilderness canoe country.

HANDICRAFTS OF NEW ENGLAND, by Allen H. Eaton. Published by Harper & Bros., New York City, 1949. 374 pages, \$5.00. Reviewed by Charles F. Weekwerth, Faculty, Springfield College.

Readers who have been privileged to discover Allen Eaton's initial book entitled "Immigrant Gifts to American Life" back in 1932, must have experienced the feeling of this reviewer; namely, that a trail was being blazed by Allen Eaton between himself and the people of America. After writing other works he broadened this trail to that of a roadway upon the completion of his "Handicrafts of the Southern Highlands." His most recent contribution has unquestionably, in the mind of this reviewer, completed a highway for both artist and layman to appreciate and to better understand the important place of Handicrafts in the American Culture.

Not only does the author understandingly and patiently guide the reader in the backgrounds of New England handicrafts, but continues to clearly indicate and vividly illustrate New England handicrafts today. Further, he points up significant influences in the handicraft movement. Lastly, he achieves unprecedented clarity in elucidating on the values of handicrafts. The last 20 pages — a veritable storehouse describing the values experienced as a participant in handicrafts — should be read and digested by all leaders of people; be they teachers, group workers, occupational

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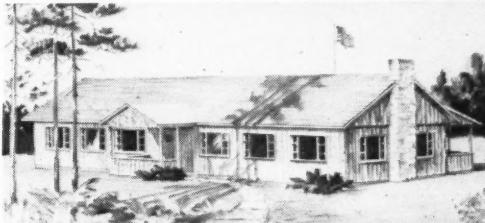
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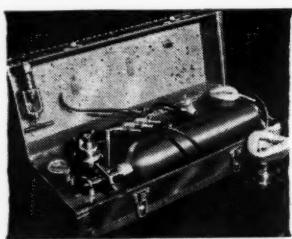
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Apparently a sensitive craftsman, Mr. Eaton saw to it that a band of highly selected and creative craftsmen fused their specialized skills to make this book. Types used in the printing were by New England designers; photographers; illustrations, paper, cloth, and binding were finished products of New England companies and artists.

### When You Come to St. Louis

You will help the convention registration committee, it is pointed out by ACA Executive Director Gerald Burns, if, when you come to St. Louis, you bring with you your current membership card. This year, members of the Association are being given a preferential, lower, registration fee, and having your card ready for presentation will help expedite matters.

### Personal Touch Pays Off!

Idea for Speeding Dues Renewal: Here's a good method of securing a higher renewal percentage, quicker, which should prove of real help to Section presidents, treasurers, membership committee members and others interested in helping ACA to become more and more the national spokesman for the best in camping. Credit is due to *Outdoor America*, publication of the Isaac Walton League, from which we clipped this item:

It's that old personal contact that gets results in hastening payment of current dues. Let Lou Dunten of Fort Wayne, Indiana, supply the proof:

"We figured just sending out notices wasn't enough, so we ran a test. We mailed notices in batches of twenty. I gave their names to one man and he telephoned them the night before to say the notices were on the way. Then we ran an occasional batch without doing any telephoning.

"Where we didn't telephone, we got a 2 per cent response; where we phoned them, the response was 80 per cent or better.

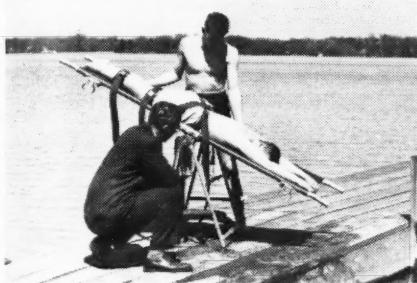
"In the case of one group, we telephoned them, and then held up the mailing of notices to see what would happen. Over 70 per cent of that bunch sent in their checks before they ever got their notices.

"To us, that's proof that you've got to get in personal touch with every man if you want 100 per cent of your old membership paid up every year."

# What's NEW

Information . Products . Literature . Service . for Camps  
Use handy coupon below to obtain additional FREE information

Lifetilt, a rocking-type resuscitator making use of the Eve method which, it is said, is becoming widely adopted throughout the world, is described and pictured in literature available from the producers, Lifetilt Corp., Oconomowoc, Wisc. The equipment works on the three-fold prin-



ciple of drainage of fluids from throat and mouth, circulation of blood, and providing artificial respiration. Perfected as a result of wartime use by the armed forces, the method is described as being easily operated by the average person without special training, lightweight and highly portable, and ready for use in only 15 seconds. (A60)

Concentrated juices of oranges and grapefruit, put up in large-size containers for economical use by camps, are described in new literature prepared by Juice Industries, Inc., Dunedin, Fla. Included is information on methods used in concentrating the juice, how its quality and purity are protected, etc. Leaflet and complimentary product samples are available free to camp executives. (A51)

Septic Tanks — Their Care and Treatment is the subject of a new booklet prepared for distribution to camp officials by Camp Chemical Co., 1560 62nd St., Brooklyn, N. Y. (A52)

DDT insecticide is included in the formulation of a new flat wall paint offered by Devoe & Reynolds Co., 789 First Ave., New York City 17, and said to be ideal for control of flies, mosquitoes and other pests which get into camp buildings; a folder describing the material and its uses is available for the asking. (A53)

Dynamite, a new ready-to-use food bait for ridging camps of mice and packed in special one-pound institutional containers, is the subject of literature prepared by

the manufacturers, Velodent Products Mfg. Co., 429 W. Broadway, New York City 12. (A54)

Plastics for crafts, in a complete line which also includes a new and inexpensive tilting table, saw, buffing wheel and sander, are illustrated and described in new literature prepared especially for camps and available from Berton Plastics, Inc., 585 Sixth Ave., New York City 11. (A55)

A new game, which should prove a boon to camp programs on rainy days and for times when quiet activities are called for is "20 to 2," produced by Dearborn Industries, 15105 Tireman Ave., Dearborn, Mich. Numerous camps and other youth-serving organizations have already adopted the game, according to the manufacturers, and find it of great and lasting interest. (A56)

Powdered whole milk as an ingredient for camp cooking is the subject of a 24-page booklet prepared by Golden State Sales Corp., of New York, Chicago, Atlanta, Dallas and San Francisco. Included are information on the convenience and economy of powdered milk, how it can be used to best effect in a variety of recipes, and other information. Already tested by camp directors, the material

has been found to give excellent satisfaction. (A57)

Longer life for tents is the aim of a four-page folder giving expert instructions on the proper way to erect, care for, strike and store tents. Prepared by Webb Mfg. Co., and expected to be of considerable interest in connection with camp hikes, overnights, and outpost trips, the folder is available free. (A58)

Impregnated lumber, pressure-treated with duPont's CZC compound to resist decay, repel termites and retard fire, is the topic covered in an eight-page pamphlet offered by National Wood Preservers, Inc., 1120 Western Saving Fund Building, Philadelphia 7, Pa. (A59)

Sculpstone, a new type sculpturing material designed to make sculpture available to and easy for boys and girls of camp age, is described in a new catalog offered by the manufacturers, Far Eastern Sculpstone Co., 159 E. 28th St., New York City 16. (A61)

Plastic tableware items in a wide variety are described in a new catalog announced by Rogers Plastic Corp., West Warren, Mass. Sizes, packing, shipping weights and colors are systematically listed to make selection simple and sure. (A27)

Toebe Leathercraft Co., 149 North 3rd St., Philadelphia 6, has made available to camp leaders a complete folder of leathers and supplies. Included are leathercraft kits, tools, lacings, accessories and instruction books, with descriptions, prices and instructions for ordering. (A49)

**Fill out completely one space below for each item wanted. Then paste all four coupons on a single penny postcard and mail to CAMPING MAGAZINE, 705 Park Ave., Plainfield, N.J. More items and coupons next page\***

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**T-Shirts, Sweatshirts and Sweaters, personalized with the name and emblem of your camp, together with the name of the camper himself, are the subject of a new catalog available from Nat. J. Sand Co., Inc. A free sample design is also included with the catalog. (A43)**

**Leather, Paint, weaving, shell and other craft supplies, tools, and kits are pictured and described, together with information on prices, etc. in the Blockraft catalog offered by Block Artist's Materials Co. (A46)**

**Chinese Foods** of several types, put up in large-size containers for economical use by camps are offered by Chin & Lee Co. to camp directors who wish to spice their menus by adding the unusual; descriptions of products and prices are available for the asking. (A45)

**Paper Towel** and toilet paper dispensers in a new line featuring chrome and baked white-enamel finishes designed to keep their new look over long periods have been announced by Bennet Mfg. Co., who will send complete information to all camp directors interested in sprucing up their sanitary facilities. (A47)

**A Meat Buyer's Guide**, printed in two colors and containing 12 pages of helpful information for buyers of meats for camps, is now available free from Pfaelzer Brothers, Inc., Union Stock Yards, Chicago 9. Highlighted is the company's line of "portion ready" meats which relieve camp kitchens of nearly all butchering operations. (A31)

**Vegetable peeling** made easy is the aim of the new portable, electric vegetable peeler recently introduced by Universal Industries, Somerville 45, Mass. Simplicity of operation, stainless-steel construction, and a capacity of 20 pounds per minute are features cited which will appeal to camp directors. (A28)

**A New Dishwasher**, described as the world's first single-tank dishwasher with power rinse, is now available. Produced by Jackson Dishwasher Co., 3703 E. 93rd St., Cleveland, Model AC-50 accomplishes washing and rinsing by means of double-revolving spray method, which is said to result in an even distribution of water over every surface of articles being washed. Automatic timing is standard equipment, and the machine has a rated capacity of 2,000 dishes per hour. (A29)

**Banners, pennants, T-shirts and many other similar products** needed by every camp are listed, pictured, described and priced in a new catalog which has been released by American School Supply, Inc., 360 Glenwood Ave., East Orange, N. J. Consulting this 32-page publication is sure to give you new ideas for next season. (A33)

**Sectional Camp Buildings** which promise new ease of solving camp construction problems are described in a new catalog available from The Brownlee Co. Made of cedar logs, the buildings have been previewed by many camp directors, who reported them interesting, attractive and useful. (A36)

**Hobby Tool**, a popular-priced, lightweight, yet powerful hand grinder has been announced by The Dumore Co., Racine, Wis. With the tool, it is said crafts workers can sand, grind, saw, drill, engrave, buff, polish, burnish, sharpen, carve, burr, shape, etc. It should prove a real boon to many crafts shops. (A26)

**Three-Dimensional Color** is an unique feature of the new Plastic Relievo paints offered by CVH Laboratories Co., and described in their new 1950 catalog. The catalog tells how the material can be used on nearly every surface and makes possible raised effects as well as attractive color combinations. (A40)

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# With the Sections

• ALLEGHENY SECTION has reported that there are still available a number of copies of the Proceedings of the excellent 1949 Middle East Convention held in Pittsburgh. Priced at only 50¢ each, the Proceedings will make a worthwhile addition to any camp director's library of resource material, as will be testified by any of the several hundred camp people who took part in the convention. Please send orders and remittances to Hugh W. Ransom, Secretary, Allegheny Section of ACA, 519 Smithfield St., Pittsburgh 22.

• CAPITOL SECTION, in Washington, D. C., devoted its meeting January 19 to the Public Relations theme. President Wayne C. Sommer presided, while National ACA Public Relations Chairman, Reo Purcell had charge of the program. Those attending divided into three discussion groups following dinner, to canvass public relations in personal contacts, public relations through printed media, and public relations through the press. A section member chaired each of the groups, while guests acted as resource people. Josephine Chrenko, of *Parents' Magazine*, was resource person for the first group; Howard Galloway, editor and publisher of *CAMPING MAGAZINE*, of the second; and Rudolph Kauffmann, Washington newspaperman, the third. President Sommer reports the meeting a highly satisfactory experience.

• CHICAGO SECTION held its January meeting on the 14th, with "Flexible Programming" as the topic and ACA President Reynold Carlson as principal speaker. An all-day institute on Staff Problems was scheduled for March 11, there being no February meeting, due to a conflict with the ACA National Convention.

• INLAND EMPIRE SECTION has chosen as its new president Paul E. Hammond, YMCA, 827 West First, Spokane, Wash.

• NEW ENGLAND SECTION holds its annual convention February 3 and 4, as this issue is being mailed to subscribers. A fine two-day program is planned, and the meeting is at Hotel Statler, Boston.

Informal sub-groups of New England camp directors meet regularly between the fall and spring meetings of the full



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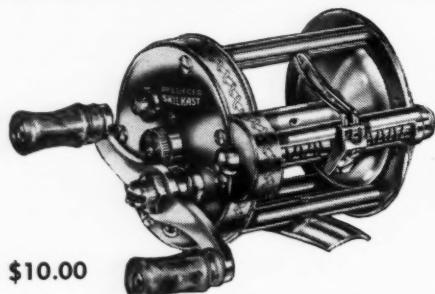
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Section. The Men's Round Table meets each month, and the Ladies Round Table also meets on a frequent schedule. Latest meeting reported is that of the Ladies group, which met January 12 for luncheon and discussion, at the Boston YWCA.

• NEW JERSEY SECTION has inaugurated a monthly newsletter to members and prospective members. Named "New Jersey Camping News," the mimeographed publication contains announcements of forthcoming meetings, reports on the latest meeting held, news items about camping activities of members, and camp program suggestions. The bulletin is edited by the Publications Committee, of which Howard Galloway, a member of the Section, is chairman.

New Jersey held its January meeting on the 18th, and featured "Brass Tacks of Public Relations." Speakers were Miss Emily Welch; Miss Josephine Chrenko, of Parents' Magazine; and Howard Galloway. Each of the speakers reported on a phase of the ACA National Workshop on Public Relations, held at Bear Mountain, N.Y., last November.

• NEW YORK SECTION, at its meeting December 14, featured a panel discussion on Personnel Practices. Panel Members included Murray Wunderlich, representing Day Camps; Wallace Greene Arnold, Private Boys Camps; Mrs. George L. Cohen, Private Girls Camps; Ray Hruschka, Agency Boys Camps; and others.

New York is planning for its Sectional convention, which this year is scheduled for March 22-25 at New York's Statler Hotel. Chairman Howard Lilenthal reports an excellent program has been developed which is certain to offer a maximum of help to all who attend.

The Section's January meeting, held as this issue went to press, was on the subject of Public Relations; Desirable Promotional Practices is the topic scheduled for the February meeting.

• PACIFIC CAMPING FEDERATION plans its annual convention for March 23-26. President Bill Goodall reports that the usual fine program and fellowship will feature this year's get-together, and suggests that all ACA Sections in the Pacific Federation plan now to have as many members as possible attend. Further details will be available shortly.

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CAMP DIRECTOR or Head Counselor with 16 years experience in counseling and directing of Girls' Organization and Scout camps; B.S. and M.S. degrees; rich experience in working with children and adults. New England preferred. Write Box 794, CAMPING MAGAZINE, 705 Park Ave., Plainfield, N. J.

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NATURE COUNSELOR — girl, 22, with B.S. in Biological and Physical Sciences and B.S.E. in Sec. Education. Experience in camp as camper, and assistant leadership in Girl Scout troop. Write Jean Woodman, Carnall Hall, Fayetteville, Ark.

PROGRAM DIRECTOR, or head counselor, in small camp. Five seasons camping experience (agency and private); group work with YMCA, YWCA and Community center. University senior (American) Room 8, H-31, Acadia, University of British Columbia, Vancouver, B. C., Canada.

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## CLASSIFIED (Continued)

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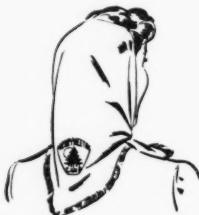
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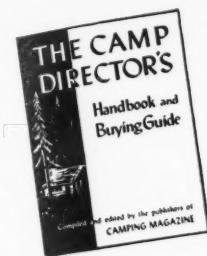
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1950 Edition**



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3. Train yourself to "Look it up First in the Handbook" when seeking sources of supplies and equipment. You'll save time, trouble and correspondence by using the Buying Guide, which begins on page 89.
4. When you want to read detailed information on the products of leading camp suppliers, turn to page 107, where you will find listed the page numbers on which all advertisements appear.
5. A detailed index of the contents of this book is included on pages 6 and 7.

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1950 Edition

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It is the aim of the publishers and of the Association to include only authentic information in this publication. However, it is recognized that there may sometimes be more than one school of thought on certain subjects; therefore, nothing which appears herein should be interpreted as an official statement of policy of the American Camping Association.

## The American Camping Association

The American Camping Association is a voluntary professional organization made up of individuals, representatives of agencies, and institutions interested in the development of organized camping in the United States and Canada, through its affiliation with the Canadian Camping Association. Its membership consists of camp directors, members of camp staffs, educators, and others directly associated with the operation of

camps or interested in the camping movement. It represents camping of all types: such as private, organization, church, school, public, and institutional. The Association consist of Sections located in all parts of the country, with a national board representing the Sections and a national field office in Chicago.

The national officers of the American Camping Association at present are:

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**School Camping:** Dr. L. B. Sharp, 369 Lexington Ave., New York, N. Y.

**Day Camping:** Herbert Sweet, Acorn Farm Camp, Carmel, Ind.

**Convention Policies:** D. W. Hartman, 317 Second Ave., Minneapolis, Minn.

**Reorganization:** Wes Klusmann, Boy Scouts, 2 Park Ave., New York, N. Y.

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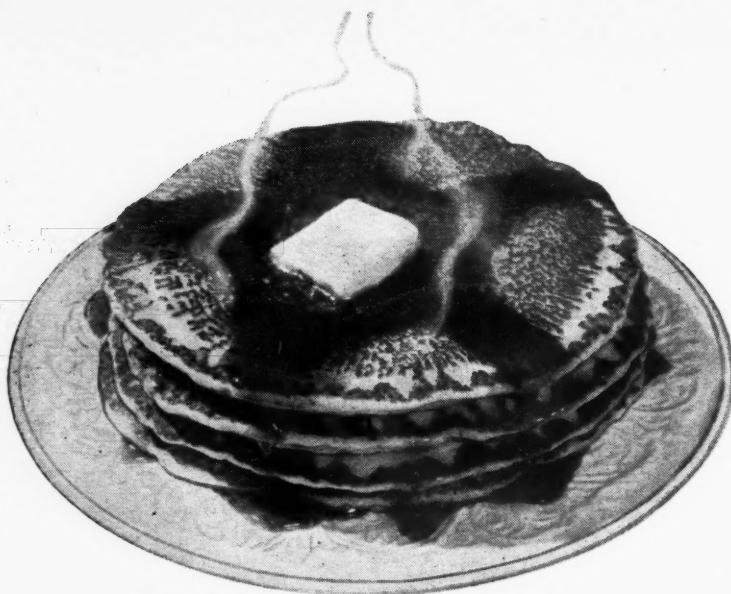
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## Portion Chart for Canned Fruits and Vegetables

PRODUCT	Size of Can	Count Per Can	Size of Portion	Approx. No. of Cans 50 Portions	Average Portions Per Can
<b>TABLE FRUITS:</b>					
Apricot Halves	No. 10	76-88	3 halves	2	25
Fruit Cocktail	No. 10		4 oz.	2	27
Kadota Breakfast Figs	No. 10	90-110	3 figs	2	30
Peach Halves	No. 10	35	3 oz.	2	35
Peach Slices	No. 10		3 oz.	2	30
Prune Plums	No. 10	75-85	3 plums	2	25
<b>No. 10 VEGETABLES:</b>					
Baked Beans	No. 10	3 quarts	7 oz.	3-4 cans	15
Green Beans	No. 10	3 quarts	4 oz.	2	25
Wax Beans	No. 10	3 quarts	4 oz.	2	25
Beets	No. 10	3 quarts	4 oz.	2	26
Carrots	No. 10	3 quarts	4 oz.	2	26
Peas	No. 10	3 quarts	4 oz.	2	26
Sauerkraut	No. 10	3 quarts	4-5 oz.	2-3	20
Spinach	No. 10	3 quarts	4 oz.	2	24
Sweet Potatoes	No. 10	3 quarts	4 oz.	2	25
<b>FISH PRODUCTS:</b>					
Salmon		2 cups			
Sardines		7	2 oz.	8	7
Tuna Fish		2 cups			
<b>FRUIT AND VEGETABLE JUICES:</b>					
	No. 10	3 quarts	5 oz.	3	18
	46 oz.	1½ qts.	5 oz.	5½	9
<b>CANNED SOUPS:</b> (Plus equal amount of liquid)					
	No. 1	*1¼ cups	**1 cup	20	**2½
		*1½ qts.	**1 cup	4½	**12
<b>MEAT PRODUCTS:</b>					
Boned Chicken		1 quart			
Boned Turkey		1 quart			
Corned Beef Hash			5 oz.	3½	14
Chopped Ham			5 oz.	3	19
Deviled Ham		1 quart			
Frankfurters	can	35 (9 to 1)	2 (5 oz.)	3	17
Meat Loaf	loaf		5 oz.	3	19
Pure Pork Luncheon Loaf	loaf		5 oz.	3	19
<b>JAMS AND SPREADS:</b>					
Grape Jelly	1 lb.	1½ cups	1½-2 tbsp.	4½	12
Orange Marmalade	No. 10	3 quarts	1½-2 tbsp.	½	100
Peach Jam	No. 10	3 quarts	1½-2 tbsp.	½	100
Peanut Butter	2 lbs.	3½ cups	2 tbsp.	2	28

\*Condensed soup.

\*\*Reconstituted soup made of equal parts of condensed soup and liquid.

Source: H. A. Johnson Co.

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Today, school cafeteria buyers have found that good food costs less, especially in feeding children and teenagers. There is no waste in serving food of the same fine quality that is featured in the leading hotels and restaurants. There is no extra cost for the assurance gained by serving food of the same purity as that served by the most exacting hospital.

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*For  
Pleased Guests  
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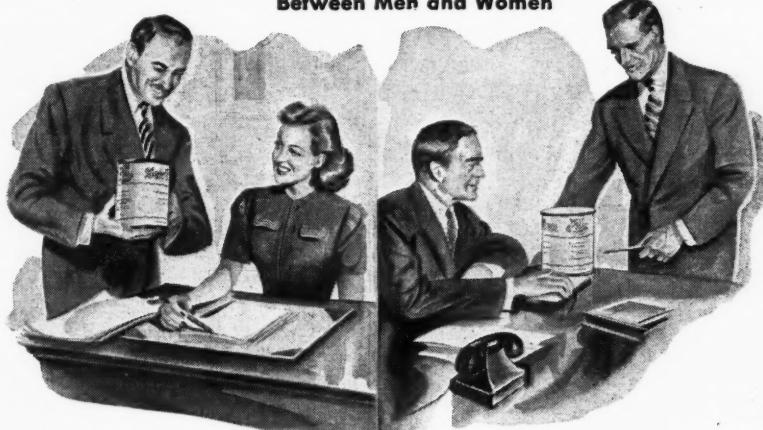


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Appreciate immediately the value of new products in brightening their service. Weigh the value of the product in their individual service rather than by a price standard alone.

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Buyers for the institutional and restaurant field are skilled in the technique of appraising foods. They make full use of scientific methods of ascertaining food cost.

Sexton sells to 60,000 individual units in this great market. The growth of the company has been based entirely on quality and service. A policy of fine merchandise, carefully packaged, fairly priced and promptly delivered has won the confidence and good will of these trained buyers.

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Pleasant Guests  
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Profits



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Long Island City  
Dallas • Atlanta  
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Philadelphia  
Boston

## Fresh Foods for 100 Servings

### Meats

Bacon	15 pounds
Chicken (creamed)	30 pounds
Chicken (fricassee)	50 pounds
Chicken (roast, fried)	75 pounds
Chops	40 pounds
Cold Cuts	18 pounds
Corned Beef (for hash)	20 pounds
Dried Beef	10 pounds
Frankfurters	16-20 pounds
Ground Meat (loaf)	20 pounds
Ground Meat (patties)	25 pounds
Ham (baked)	40 pounds
Ham (cold boiled)	12 pounds
Liver	25 pounds
Roast	40 pounds
Sausage	25 pounds
Meat for Soup (meat and bones)	30 pounds
Stew (with vegetables)	20 pounds
Swiss Steak	35 pounds
Short Ribs (bone in)	65 pounds
Turkey, Roast, with Dressing	50-60 pounds

### Fish

Fillet	25 pounds
Whole, cleaned	35 pounds

### Fruits

Apples	34 pounds
Apples (sauce or salad)	30 pounds
Bananas	34 pounds
Bananas (sliced or in salad)	15 pounds
Berries	
Blackberries	20 quarts
Blueberries	12 quarts
Raspberries	23 quarts
Strawberries	24 quarts
Canned Fruit	3-4 No. 10 cans
Canned Juice	4 No. 10 cans
Cherries	1 crate (16 qts.)
Grapefruit	50

Grapes	30 pounds
Lemons	50
Melons	
Cantaloupe	50
Honeydew	37 pounds
Watermelon	75 pounds
Oranges	100
Peaches	35 pounds
Pears	34 pounds
Plums	1 crate (20 lbs.)
Rhubarb	24 pounds

### Vegetables

Asparagus	34 pounds
Asparagus (creamed)	25 pounds
Beans (green or wax)	28 pounds
Beets	30 pounds
Broccoli	35 pounds
Cabbage (cooked)	25 pounds
Cabbage (raw)	16 pounds
Canned Vegetables	4 No. 10 Cans
Carrots	25 pounds
Cauliflower	50 pounds
Celery (salad)	10 bunches
Corn	100 ears
Cucumbers (salad)	8
Lettuce (shredded)	20 heads
Lettuce (garnish)	10 heads
Onions	24 pounds
Parsnips	28 pounds
Peas (in shell)	50 pounds
Potatoes, Irish	40 pounds
Potatoes, Sweet	40 pounds
Radishes	20 bunches
Spinach	34 pounds
Squash, Summer	30 pounds
Tomatoes	30 pounds
Turnips	30 pounds

### Prepared Foods

Beverage	5 gallons
Bread (30 slices to a 2-lb. loaf)	7 loaves

Cake, layer, 10-inch.....	6 cakes
Cake, sheet.....	2 pans (12 x 20 in.)
Fruit Cup.....	2½ gallons
Pies, 9-inch .....	15
Pudding, cornstarch.....	2½ gallons
Salads .....	3-4 gallons
Salad Dressing.....	2 quarts
Sauces .....	3-4 quarts
Soups .....	6 gallons

### Miscellaneous

Berries (shortcake).....	16 quarts
Butter or margarine.....	2 pounds
Cheese, American.....	7 pounds
Cheese, Cottage .....	20 pounds
Cocoa .....	1 pound
Ice Cream.....	4 gallons
Macaroni .....	8 pounds
Olives .....	3 quarts
Pickles .....	3 pounds
Potato Chips.....	5 pounds
Rice .....	10 pounds
Spaghetti .....	8 pounds



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#### Noodles

No. 10 tins (2 lbs. net)

#### Soy Sauce

½ gallons

#### Chop Suey - Noodles

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Lemon Crystals	Cream Desserts
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Welsh Rarebit	Rapid Cake Bases
Complimentary Samples and Literature to Camp Directors on Request	

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Institutional Division

## Market List for Moderate Cost Meals

### Kinds and Quantities of Food Required per Person per Week

Person		Children 7-9	Children 10-12	Girls 13-15	Girls 16-20	Boys 13-15	Boys 16-20
Milk <sup>1</sup>	Qts.	7	7	7	7	7	7
Potatoes, Sweet Potatoes	Lb.-oz.	1-12	2-8	2-10	2-4	3-2	4-0
Dry Beans, Peas & Nuts	Lb.-oz.	0-2	0-2	0-3	0-2	0-3	0-4
Tomatoes, Citrus Fruit	Lb.-oz.	1-8	1-12	1-12	2-0	2-0	2-0
Leafy, Green, & Yellow Vegs. <sup>2</sup>	Lb.-oz.	3-0	3-8	3-8	3-8	3-0	3-0
Other Vegs. & Fruit <sup>3</sup>	Lb.-oz.	3-0	4-0	3-4	4-4	5-0	5-8
Eggs	No.	6	6	6	6	6	6
Meat, Poultry & Fish <sup>4</sup>	Lb.-oz.	1-8	2-0	2-8	2-8	2-12	3-0
Flour, Cereals <sup>5</sup>	Lb.-oz.	2-2	3-4	3-4	2-8	4-8	5-0
Fats & Oils <sup>6</sup>	Lb.-oz.	0-8	0-12	1-2	0-12	1-2	1-9
Sugars, Sirups, Preserves	Lb.-oz.	0-8	0-12	0-14	0-12	1-2	1-9

1—Or its equivalent in cheese, evaporated milk, or dry milk.

2—Such as green cabbage, kale, snap beans, carrots.

3—Such as apples, bananas, peaches, onions, corn, celery.

4—Exclude bacon and salt side.

5—Count  $1\frac{1}{2}$  lb. bread as lb. of flour. Use chiefly whole or enriched products.

6—Include bacon and salt side.

Source: Bureau of Home Economics, U. S. Department of Agriculture.

# SLICE LABOR COSTS

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your  
baking  
with*



## *Downyflake* BAKING MIXES

### 23 fully prepared "add-water-bake" mixes

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## Utensils for Camp Kitchens

Equipment Item and Description	Number Needed For	
	100 Campers	150 Campers
STOCK POTS with covers, 5 to 10 gallon, tall with straight sides and handles, aluminum, semi-heavy.	2 only	3 only
PRESERVING KETTLES, 10 to 16 quart, aluminum	4 only	6 only
DOUBLE BOILERS, 11 quart, heavy duty aluminum	1 only	2 only
17 quart, heavy duty aluminum	2 only	2 only
SAUCE PANS, handled 2 quart, semi-heavy aluminum	2 only	2 only
4 quart, semi-heavy aluminum	2 only	2 only
BAKING PANS, 12 x 18 x 2½ inches, aluminum	8 only	12 only
ROASTING PANS, black sheet iron with 3 straps, 16 x 22 x 3½ inches (to fit range oven)	4 only	6 only
FRYING PAN, 14 inches, black iron	2 only	2 only
MUFFIN PANS, 12 cup, aluminum or good grade of tinned ware	12 only	18 only
PUDDING PANS, round 2 quart, aluminum	1 only	2 only
4 quart, aluminum	2 only	3 only
MIXING BOWL, 9 quart, aluminum	1 only	2 only
SKIMMER, wire, 6 inch diameter	2 only	2 only
ICE PICK	1 only	1 only
BISCUIT CUTTER, 2 inch diameter	2 only	2 only
APPLE PARING MACHINE	1 only	1 only
VEGETABLE BRUSHES	6 only	9 only
CUTTING BOARD, 24 x 18 x 2 inches cured hard maple	1 only	1 only
LADLES FOR SERVING 1 cup capacity, aluminum or stainless steel	2 only	2 only
½ cup capacity, aluminum or stainless steel	2 only	2 only
¾ cup capacity, aluminum or stainless steel	2 only	2 only

LADLE, 1 quart, with long handle	1 only	1 only
ICE CREAM DIPPERS		
No. 8 (for potato and vegetables)	2 only	2 only
No. 10 (for ice cream)	2 only	2 only
No. 12 (for salads)	2 only	2 only
No. 24 (for sandwich fillings)	2 only	2 only
PITCHERS, aluminum, 4 quart capacity	2 only	2 only
TRAYS, 14 x 18 inches	8 only	12 only
GRADUATED MEASURES:		
Spoons, aluminum or plastic	2 sets	2 sets
Cup, aluminum	2 only	2 only
Quart, aluminum	2 only	2 only
DISH PANS (for mixing) 21 quart, aluminum or heavy tinned ware	2 only	3 only
COLANDER, 15 inch diameter, aluminum	1 only	1 only
STRAINERS, wire, 8 inch diameter	1 only	2 only
CHINA CUP STRAINER, 10 inch diameter	1 only	1 only
WOOD CHOPPING BOWL, 15 to 16 inch diameter	1 only	1 only
ROLLING PIN, wood, 15 inches long, 3½ inches diameter	1 only	1 only
FOOD CHOPPER, 3 pound capacity	1 only	1 only
ROUND CAKE PANS, good grade tinned ware, 10 inches diameter, 2 inches deep	18 only	27 only
BISCUIT SHEETS, good grade tinned ware, (pans with sides) 16 x 22 x 1 inch	4 only	6 only
BUTTER CUTTER	1 only	1 only
HAND REAMER, glass	2 only	2 only
CAN OPENER, stationary	1 only	1 only
HAND GRATER, aluminum, 9 x 4 inches	1 only	1 only
WIRE WHIP		
French, 16 inches long	1 only	1 only
French, 22 inches long	1 only	1 only
KNIVES		
French, chopping, 12 inch blade	2 only	2 only
Carving, hotel slicer, 12 inch blade	1 only	1 only
Paring, 3 inch blade	3-6 only	4-9 only
Spatula, stainless steel, 8 inch blade	2 only	2 only
Chopping knife with double blade	1 only	1 only
Cleaver, 8 inch blade	1 only	1 only

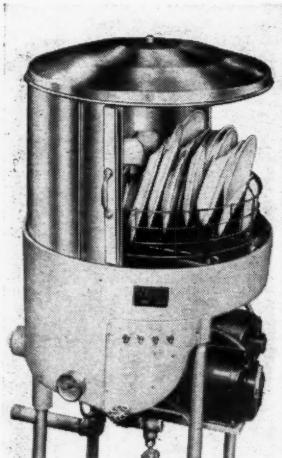
KNIFE SHARPENER, 12 inch, butcher steel	1 only	1 only
COOK'S FORK, 12 to 18 inches	2 only	2 only
PANCAKE TURNERS, stainless steel, 6 inches x 3 inches	2 only	2 only
SPOONS, large cooking, 14 inches long	6 only	9 only
EGG BEATER, large sturdy, stainless steel	2 only	2 only
GARBAGE CANS, with covers, 6 gallon capacity, heavy duty galvanized (for storing supplies)	6 only	6 only
GARBAGE CANS, with covers, 26 gallon capacity, heavy duty galvanized	8 only	8 only
CLOCK	1 only	1 only
HAMMER	1 only	1 only
SHEARS, 8 inches long	1 only	1 only
LADDER, store room, 4 feet	1 only	1 only

Source: "Camp Kitchen Management," published by Dept. of Institution Man-

agement, New York State College of Home Economics, Cornell University.

## JACKSON DISHWASHERS

FOR EVERY CAMP NEED



JACKSON AC-50  
Exclusive revolving hood enables either straight-through, or corner operation.

### 2 GREAT NEW MODELS

- MODEL AC-50: A second motor and pump provide for POWER RINSE, as well as power wash! You do not have to depend on water pressure in line for the rinse. A Jackson "first" for better dishwashing!
- DISHWASHER-BOILER: A self contained unit incorporating both Jackson Dishwasher and gas-fired boiler—yet takes no extra space! Furnishes its own supply of guaranteed 180° hot water for SANITATION AT A SAVINGS. Another Jackson "first"!

Write  
Today!

to Dept. CA for full information on the complete line of JACKSON DISHWASHERS and accessories.

**THE JACKSON DISHWASHER CO.**

3703 E. 93rd ST.

CLEVELAND 5, OHIO

"Dishwashing Specialists Since 1925"

## Menus for Hikes

Quantity	ITEM
One	
Camper	
One Meal	

### Dried Fruit

1 1/2 oz.	Prunes
1 1/4 oz.	Dates
1 1/4 oz.	Figs
1 oz.	Apples
1 1/2 oz.	Raisins
1 1/2 oz.	Peaches
1 1/2 oz.	Pears
1 1/2 oz.	Apricots

### Dehydrated Vegetables

3/8 oz.	Onions
1/2 oz.	Beets
2 oz.	Split Peas
1-1/3 oz.	Potatoes
3/4 oz.	Carrots
3/4 oz.	Cut Beans
1/4 oz.	Cabbage
1/5 oz.	Spinach
1-1/3 oz.	Sweet Potatoes
1/2 oz.	Turnips

### Dried Vegetables

4 oz.	Red Mexican Beans
4 oz.	Lentils
5 oz.	Small White (Navy) Beans
1 oz.	Rice

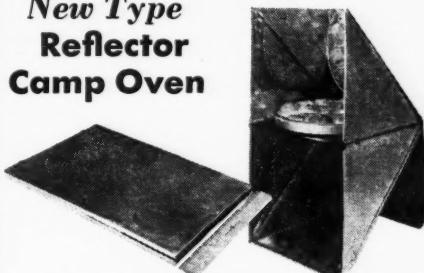
### Pastry and Breads

2 1/2 oz.	Macaroni
2 1/2 oz.	Spaghetti
2 oz.	Noodles
5 oz.	Bread (fresh)
1 oz.	Pilot Bread (Hard Tack)
8/10 oz.	Rye Biscuit
1 oz.	Wheat Biscuit

### Meat, Fish, Dairy Products

1 oz.	Butter
8-12 oz.	Lean Meat
6 oz.	Meat (Stew)
1 oz.	Eggs (2-1/7) Whole Dehydrated
2-3 oz.	Chipped Beef
1/4 oz.	Chicken Fat Base (for Soup)
3 oz.	Dried Fish
4 oz.	Canned Fish
6 oz.	Summer Sausage
3 oz.	Canned Sausage

## New Type Reflector Camp Oven



Here's a means to good eating on that next camping trip or picnic. You can bake anything . . . biscuits, cornbread, pies, cakes, meat, fish, etc. All you need is an open fire and a SIERRA KING REFLECTOR CAMP OVEN.

This new type reflector oven can bake anything before an open fire that could be baked at home.

Enthusiastically endorsed by experienced outdoorsmen. Made chiefly of aluminum. Lightweight . . . just 2 lbs., 10 oz. Knockdown size: 16" x 11 1/2" x 3 1/2".

Only \$5.95 postpaid, plus 15c Sales Tax in California.

— SATISFACTION GUARANTEED —

At your Dealer or order direct from

**LINDSTAEDT & KING**

P. O. Box 118-P, San Anselmo, California

Quantity	ITEM
One	
Camper	
One Meal	

### 2 oz. Milk (Whole Powdered)

### Beverages

1 oz.	Cocoa (prepared)
2 oz.	Plain Milk Chocolate
1/2 oz.	Orange Powder
1/2 oz.	Lemon Powder

### 1 Cube Bouillon

### Cereals

1 1/2 oz.	Most Wheat and Oat Cereals
1 1/4 oz.	Cornmeal

### Special Products

1/4 oz.	Vegetable Base (soups)
4/5 oz.	Yellow Pea Soup
1/2 oz.	Potato Soup Mix
1/4 oz.	Onion Soup Mix
1 oz.	Potato Fritters
1 oz.	Rice Dinner (prepared)

### Others

3 1/2 oz.	Biscuit Flour (prepared)
1/2 oz.	Sugar
2/10 oz.	Salt

## SEVEN HINTS FOR MENU PLANNING

1. Variety of flavor as, for example, fruit juice, haddock filets baked with creole sauce, boiled potatoes, cole slaw, corn bread and butter, and cherry cobbler.
2. Flavors not repeated in succeeding courses, especially tomato, onion or cabbage. Avoid onion soup, sauce seasoned with onion and a strong flavored vegetable such as cabbage, broccoli or Brussels sprouts in the same meal.
3. Texture should be varied, some soft and some crunchy foods. Compare

creamed codfish, whipped potatoes and stewed tomatoes with creamed codfish, baked potato, green beans, beet and cabbage relish.

4. Shape of foods influences appeal. Avoid having all flat foods such as roast lamb, country fried potatoes, sliced carrots, on one plate; or all round foods such as chicken croquette, boiled potato and peas. The following changes could be made: Roast lamb, browned potato and diced or quartered carrots; chicken croquettes, hashed brown potatoes and green beans.

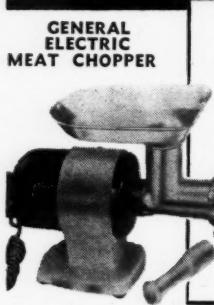
5. Flavor of foods, especially fruits and vegetables, will be improved if they are prepared as near as possible to the time they are to be eaten. Potatoes and vegetables lose flavor, minerals and vitamins by standing in water before or after cooking.

6. Each meal (lunch or dinner) should consist of at least one protein food (meat, fish, poultry, eggs or cheese); not more than one starchy food (potatoes, spaghetti, macaroni) and always a leafy green vegetable (such as green beans, broccoli or spinach) or a yellow vegetable (carrots, squash, yellow corn.)

7. In menus where the choice is limited to one main item, it gives better satisfaction to serve two vegetables, or one vegetable and a small salad, such as cabbage and grated raw carrot or a tossed green salad.

**GENERAL SLICERS and CHOPPERS**  
Quality Products at **LOWEST PRICE**

**GENERAL ELECTRIC MEAT CHOPPER**

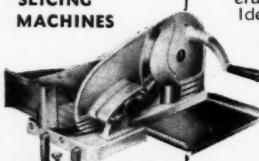


**New, Low-Priced, High Performance**

Costs so little to begin with—almost nothing to maintain. Simple, functional design, makes it easy to clean and operate.  $\frac{1}{3}$  h. p. motor delivers 7 lbs. per minute.

**Model D \$99.50**

**GENERAL ROTARY SLICING MACHINES**



Four Service-tested, efficient hand operated rotary slicers. Ideal for slicing hot or cold meats, cheeses, etc. to any desired thickness.

**from \$14.95 to \$49.95**  
**Model 319 (illustrated) \$24.95**

**GENERAL SLICING MACHINE CO., Inc.**  
Walden, New York

(Write Dept. 146 for catalog of complete line)

Source: Alice Easton, H. A. Johnson Co.

## If Polio Strikes

Be prepared by having names, addresses and telephone numbers of the following on file:

1. Health Officers — county and state.
2. State Representative of the National Foundation for Infantile Paralysis. (The N. F. I. P. at 120 Broadway, New York City 5, will be glad to furnish name and address of the representative in your state.)
3. The nearest volunteer chapter of the National Foundation for Infantile Paralysis. There is one serving every county. Consult the county telephone book or Health Department for address.

### If Infantile Paralysis Appears in the Vicinity:

1. Watch for symptoms. Usually mild and indefinite at first—headache, sore throat, slight fever, nausea, constipation or diarrhea, fatigue and listlessness. Any one of the symptoms may be absent, or they may all be present.

2. Guard against over-fatigue or chilling, such as may occur after a plunge in very cold water on a hot day. If a camper shows exhaustion or chills, see that he rests and keeps warm.

3. Check screening to see that latrines and kitchens are well protected against flies. See that screened doors fasten right and that campers keep them closed.

4. Re-emphasize cleanliness and hygiene. Frequent handwashing is im-

portant, especially before meals and after visits to the toilet. Prevent campers from sleeping together and from sharing drinking or eating utensils. Be certain these hygienic measures are carried out on hiking trips as well as in camp.

5. Limit visitors to camp to lessen chances of the virus being brought in. It is impossible to identify carriers.

### If a Suspected Case Occurs in Camp:

1. Put the patient to bed at once and call the doctor, if symptoms appear. Early treatment can minimize crippling and prevent deformities.

2. Isolate the patient and his nurse or attendant from other campers. The attendant should scrub his hands frequently. Great care should be taken in disposing of body discharges of the patient. The safest camp procedure is to burn them with gasoline.

3. Make a list of all persons who have been in contact with the patient and watch them closely.

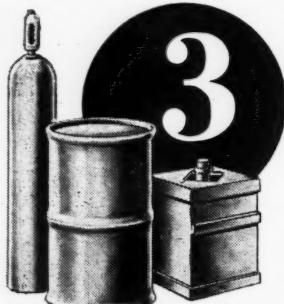
4. Transportation to hospital. Your doctor will notify the Health Officer who will direct to which hospital the patient is to be taken for further diagnosis and treatment in the acute stage.

Give the following instructions to drivers and attendants in ambulance or private car:

Patient must not sit up. Place him in a recumbent position on a rigid frame or mattress, or use boards to keep his body in a straight position.

## Recommended Camp Facilities

Item	Number Required
Showers	1 to every 8 campers
Toilets	1 to every 10 campers, no farther than 150' from any living unit.
Infirmary beds	1 to every 16 campers
Water supply	50 gallons per day per person where flush toilets are used, 30 gallons per day per person where pit privies are used, plus a full day's supply in storage at all times.
Swimming pools	27 sq. ft. of surface per swimmer
Kitchen storage, etc.	1/3 to 1/2 size of dining room
Size of campsite	1 acre per camper. (This area may vary considerably depending on location. Camps adjoining large public area, such as state or national forests, will not require as much acreage as those in agricultural areas or near cities. Possible growth of suburban communities and future expansion of camp should also be considered when determining size of campsite.)



**LIQUID CHLORINE**  
in 16 lb. . . . 105 lb. . . .  
and 150 lb. cylinders

**CALCIUM HYPOCHLORITE**  
70% available Chlorine  
... 3½ and 5 lb. tins . . .  
and 100 lb. drums

**SODIUM HYPOCHLORITE**  
Gallons . . . Carboys

## CHLORINE PRODUCTS

### FROM ONE SUPPLIER

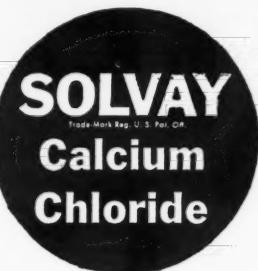
Purification problems—whether for drinking water, swimming pools, or bacterial contamination in wastes—are readily solved by use of Jones high quality Chlorine products. Scientifically prepared to satisfy high government standards. Used for years by the Army, Navy and hundreds of cities and swimming pools throughout the country. Immediate delivery guaranteed. Write or wire for prices or information.

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... TO SERVE YOU EFFICIENTLY

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On play fields, camping grounds and roadways—dust is always a source of annoyance. And yet it can be eliminated so easily; usually just one inexpensive application of SOLVAY Calcium Chloride will free your grounds from dust. SOLVAY Calcium Chloride is clean, colorless, odorless. It's easy to use . . . no experience or special equipment is needed. Proven by over thirty years of satisfactory performance. And it's low in cost! Solve your dust problem with SOLVAY Calcium Chloride.



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Allied Chemical & Dye Corporation  
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- Our 25 years experience has enabled us to transact sales for the finest camps, excellent prestige, located in New England, New York and Pennsylvania. Surveyed camp-sites, estates—\$10,000 and up; suitable for conversions for institutions or private camps.

- Highly recommended by both former and present camp directors.

- WE SPECIALIZE — Our clients respect our experience and confidence. All information strictly confidential.

Contact . . .

## PECK-KERRON COMPANY



11 WEST 42nd STREET

NEW YORK 18, N. Y.

PEnnsylvania 6-8285 BO 8-9105

## Recommended Camp Infirmary Supplies

Item	Size or Type	Quantity (for 20 campers)
Adhesive Compresses	1 inch	1 large package
Gauze Pads	4 x 4 inches	1 package
Triangular Muslin Bandage	40 inch	8 or more
Absorbent Gauze Compresses	½ yard	Several packets
Tourniquet		2
Adhesive Tape	2 inch	1 roll
Antiseptic		1 ounce
Boric Acid	powder or crystal	1 ounce
Aspirin		1 bottle
Aromatic Spirits of Amonia		1 ounce
Burn Ointment	1 ounce tubes	Several
Laxative		1 package or bottle
Rubbing Alcohol		1 bottle
Baking Soda		1 package
Absorbent Cotton		½ pound
Applicators		1 box
Tongue Depressors		5 dozen
Fracture Splints	Arm, leg, thigh	2 sets of each
Stretcher Poles		2 pairs
Tweezers, Clinical Thermometers, Paper Drinking Cups, Bar of Soap, Flashlight		

## Capacity of Rectangular Tanks

In Gallons Per Foot in Depth

Inside	Inside width							
Length	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"
2' 0"	29.92							
2' 6"	37.40	46.75						
3' 0"	44.88	56.10	67.32					
3' 6"	52.36	65.45	78.54	91.63				
4' 0"	59.84	74.80	89.76	104.72	119.68			
4' 6"	67.32	84.15	100.98	117.81	134.64	151.48		
5' 0"	74.80	93.50	112.20	130.90	149.61	168.31	187.01	
5' 6"	82.98	102.85	123.42	144.00	164.57	185.14	205.71	226.28
6' 0"	89.76	112.20	134.64	157.09	179.53	201.97	224.41	246.85
								269.29

## Capacity of Round Tanks

In Gallons for Each Foot in Depth

Inside	Gallons	Inside	Gallons	Inside	Gallons
Diameter	One Foot In	Diameter	One Foot In	Diameter	One Foot In
Ft.	In.	Depth	Ft.	In.	Depth
1	0	5.87	2	9	44.41
1	3	9.17	3	0	52.86
1	6	13.21	3	3	62.03
1	9	17.98	3	6	73.15
2	0	23.49	3	9	82.59
2	3	29.73	4	0	93.97
2	6	36.70	4	3	103.03

### 16mm SOUND MOTION PICTURES FOR THE CAMP

Over 250 of the finest quality features.

2,000 shorts of all descriptions to select from.

Programs are built to order if you wish.

Special Rates  
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### Why you profit with **PARENTS' MAGAZINE**

- Read by more than 1,200,000 families with more than 2,400,000 children... your finest enrollment prospect!
- Sixteen years the leader among all magazines in camp advertising... with 5,670 lines—or 1,623 lines more than the closest competitor!
- All camp ads in the May issue of PARENTS' MAGAZINE appear in the Annual Camp Directory reprint, used the year around!
- Camp advertisers benefit directly from the thousands of requests for guidance received each year by PARENTS' MAGAZINE's Service Bureau!
- You reach more families with children of camp age per dollar spent through PARENTS' MAGAZINE!

For rates and full details, write direct to: Josephine Chrenko, Dir. School & Camp Dept.

**PARENTS' MAGAZINE**

52 Vanderbilt Ave., New York 17, N.Y.

## Water Losses Due to Faucet

### Leakage

Drops Per Minute	Gallons Per Hour	Gallons Per Annum
25	0.10	876
50	0.20	1,752
75	0.31	2,701
100	0.42	4,015
125	0.52	4,562
150	0.62	5,475
175	0.73	6,387
200	0.86	7,482
225	0.98	8,577
250	1.10	9,672
275	1.20	10,585
300	1.30	11,315
Very Fine Stream	3.75	32,850
Fine Stream	6.67	58,400

### Sizes of Common Nails

Size	Length	Diam. Head	Approx. No. to Lb.
2d	1 inch	11/64 inch	876
3d	1 1/4 "	13/64 "	568
4d	1 1/2 "	1/4 "	316
5d	1 3/4 "	1/4 "	271
6d	2 "	17/64 "	181
7d	2 1/4 "	17/64 "	161
8d	2 1/2 "	9/32 "	106
9d	2 3/4 "	9/32 "	96
10d	3 "	5/16 "	69
12d	3 1/4 "	5/16 "	63
16d	3 1/2 "	11/32 "	49
20d	4 "	13/32 "	31
30d	4 1/2 "	7/16 "	24
40d	5 "	15/32 "	18
50d	5 1/2 "	1/2 "	14
60d	6 "	17/32 "	11

## Extra Copies

### For Your

### Key People

» The Camp Director's 1950 Handbook and Buying Guide will serve you best when ALL of your key people have their personal copies, for reference wherever and whenever necessary.

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**The Camp Director's 1950  
Handbook and Buying  
Guide**

**705 Park Avenue  
Plainfield      New Jersey**

## Fire Inspection Chart

Score your camp's fire safety. Check your own practice against each of the questions below. Each "Yes" indicates a safe fire prevention practice; each question answered "No" points to a serious fire hazard. Do something about these hazards —now! Use the check list again at the opening of camp. Consult it frequently during the season.

### HOUSEKEEPING

1. Have you removed all flammable rubbish and leaves from around buildings and tents? .....
2. Are grass, brush and small trees cut or thinned out around camp buildings?
3. Is fire-fighting equipment within easy reach when trash, leaves, etc. are burned out-of-doors? .....
4. Do you keep your storerooms and garages free from rubbish, old rags, papers, etc? .....
5. Do you keep oil mops or paint rags in closed metal containers to guard against spontaneous ignition? .....
6. Are stoves always kept free of grease? Do you have baking soda or salt handy in case of grease fires? .....
7. Do you hang towels on special racks, never drying them on or near stoves? ..
8. Do you collect ashes in covered hole-free metal containers and dispose of them when properly cooled? .....
9. Do you keep matches in metal containers away from heat? .....
10. Do you use only safety matches in camp? .....
11. Do you have spark-screens over all chimneys? .....
12. Are all fireplaces equipped with effective firescreens? .....

### FLAMMABLE LIQUIDS

13. Do you start fires with paper and/or kindling only, never with flammable liquids? .....
14. Are kerosene or gasoline lanterns

hung up or put on tables or shelves and never on the floor? .....

15. Are supplies or fuel oil stored away from buildings, preferably in underground tanks? .....
16. Are oils (kerosene and gasoline) handled only in the daylight and where spillage cannot be ignited? .....
17. Are gasoline stoves and kerosene stoves and heaters of types listed by Underwriters' Laboratories, Inc.? .....
18. Are your lamps sufficiently heavy-based to prevent tipping? .....

### CONSTRUCTION

19. Are the roofs of your buildings non-combustible? .....
20. Are roofs, gutters, eaves of buildings free of needles and leaves? .....
21. Are all stovepipes, chimneys and hoods above kitchen stoves cleaned and repaired before camp opens? .....
22. Are floors directly under stoves and heaters protected by galvanized iron, concrete or brickwork? .....
23. Have you eliminated all stovepipes which pass through closets or storerooms? .....
24. Are walls, rafters, ceilings and partitions protected from over-heating of stoves and pipes? .....

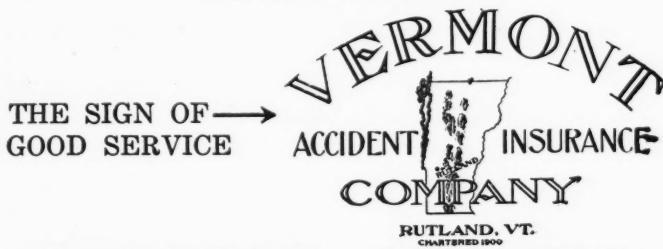
### ELECTRICITY

25. Are electric irons and all electrical appliances used for cooking, equipped with metal stands and heat controls? ..

# ALWAYS THE BEST CAMPERS' INSURANCE

MEDICAL REIMBURSEMENT  
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Hundreds of Camp Directors Have Insured  
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**WOVEN NAMES**

Identify and protect belongings of both campers and camps—neatly, permanently. Sew on or use Cash's NO-SO Cement for attaching. Ask about our service to camp and school owners and directors. Dept. stores sell Cash's, or order direct.

**CASH'S, South Norwalk 18, Conn.**

PRICES	12 Doz. \$3.50	6 Doz. \$2.40	NO-SO CEMENT
	9 Doz. \$3.00	3 Doz. \$1.80	25c a tube

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A Camp - A School - A Site

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Murray Hill 2-8840

26. Do you use only those electric appliances, fuses, extension cords bearing the label of Underwriters' Laboratories, Inc.? ....

27. Are all electric extension cords in the open—none placed under rugs or over hooks? ....

28. Do you allow only qualified electricians to install your wiring, make all wire splices? ....

29. Do you use Standard fuses of proper capacity, never substituting others? ....

30. Do you always use safety film for movies, never nitrocellulose film unless the camp has a standard projection booth? ....

### SMOKING

31. Do you maintain restricted places for smoking—no matter WHO is smoking? ....

32. Does the camp insist that all cigarettes and cigar butts be carefully extinguished before they are disposed of? ...

33. Do you insist that matches be broken in two before they're thrown away? ....

### FIRE FIGHTING

34. Do you have simple fire-fighting equipment, such as brooms, rakes, pails of water, pails of sand, shovels? ....

35. If you have a fire hose, canvas or rubber, do you test it before camp opens? ....

36. Is equipment kept in designated places and in good condition? ....

37. Do you have more than one exit

from all rooms in main buildings? ....

38. Do you have a camp check before retiring to see if all fires and lights are out or suitably protected? ....

39. Do you have regular fire drills for all campers and staff? ....

40. Do you have a place where pumpers can take water? ....

41. Do you have approved fire extinguishers in every main building? Are they kept in good working order? Do your personnel know how to use them? ....

42. Do you have fire escapes on buildings of more than one story? ....

43. Do you have an easily distinguished fire alarm? ....

44. Do you have a fire brigade in camp? ....

45. Do you have ladders that will reach to the roof of your buildings? ...

46. Is there any organized fire protection in your community? ....

47. Do you know where or how to call for this protection service? ....

### CAMP FIRES

48. Do you build outdoor fires only in safe places, on sand or other mineral soil, or on rocks and not near trees? ....

49. Do you clear away all flammable material from around your outdoor fire, including incinerator, for at least six feet and never leave your fire unattended? ..

50. After putting out an outdoor fire do you stay until ashes are cool enough to test with your bare hands? ....

Source: The National Board of Fire  
Underwriters

## SUPPORT THE ADVERTISERS

They Support ACA's Two Official Publications

CAMPING MAGAZINE and

THE CAMP DIRECTOR'S HANDBOOK and BUYING GUIDE

## Facts About Fire Extinguishers

### Types of Fires

Class A—On fires in ordinary materials (paper, wood, cloth, excelsior, etc.) cooling is more effective than smothering.

Class B—On fires in burning liquids (oils, paints, varnishes, grease, etc.) the smothering method should be used.

Class C—On fires in live electrical equipment, such as a motor, switchboard, etc., water should not be used, as it may cause a shock to the operator and may damage the equipment.

Type of Extinguisher	Extinguish-ing Effect	Use on Fires of			Length of Discharge	Recharge	Protection from freezing
		Class A	Class B	Class C			

#### PLAIN WATER:

Pump tank	Cooling	Yes	No	No	Pump by hand	30—40 ft.	After use	Approved anti-freeze chemicals may be added to the water
Gas cartridge	Cooling	Yes	No	No	Turn over, bump on ground	30—40 ft.	After use	

#### WATER AND CHEMICALS:

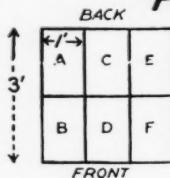
Soda-acid	Cooling	Yes	No	No	Turn over	30—40 ft.	Annually	Keep in heated cabinet if building is unheated.
Foam	Cooling smothering	Yes	Yes	No	Turn over	30—40 ft.	Annually	Never add anti-freeze chemicals.
Loaded stream	Cooling & "oxidation inhibiting"	Yes	Yes	No	Turn over, bump on ground	30—40 ft.	After use	None required to—40° F.

#### CHEMICAL:

Vaporizing liquid	Smothering	Only	Yes	Yes	Pump by hand	20—30 ft.	After use	None required to—50° F.
Carbon dioxide	Smothering	Small	Yes	Yes	Open valve at top	3—6 ft.	After use	None required
Dry Compound	Smothering	Surface Fires	Yes	Yes	Open valve at top	8—12 ft.	After use	None required

Source: National Fire Protection Association

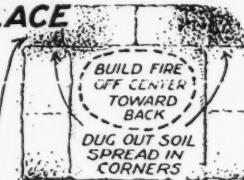
## FIXING A FIREPLACE



AT A SAFE DISTANCE FROM TREES AND SHRUBS, PICK A SPOT 3FT. SQUARE AND DIG OR CUT THROUGH THE SOD TO MARK THE SQUARE. AT ONE FOOT FROM EACH SIDE CUT A LINE FROM BACK TO FRONT. THEN CUT A LINE ACROSS CENTER FROM SIDE TO SIDE SO THAT YOU WILL HAVE SIX SEPARATE SODS.

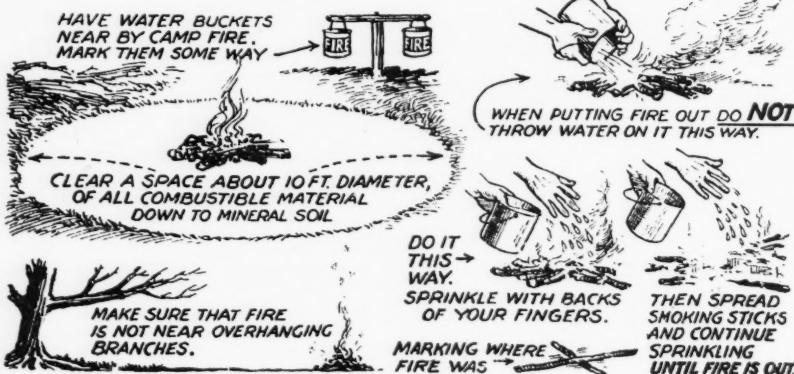


NEXT CUT THE SIDE SODS OUT AND TURN THEM OVER DIRT SIDE UP, ON THE OUTSIDE OF THE SQUARE AT EACH SIDE. REMOVE CENTER SODS AND PLACE THEM LENGTHWISE, ALONG EDGE OF SQUARE, AT THE BACK OF FIREPLACE. NOW CLEAR UNCOVERED AREA DOWN TO MINERAL SOIL.



SPREAD SOIL REMOVED FROM THE CENTER, OVER THE SPACES BETWEEN THE SODS AT SIDES AND BACK AS SHOWN ABOVE. THEN CLEAR SURROUNDINGS TO A SAFE DISTANCE, OF ALL COMBUSTIBLE MATERIAL. WHEN LEAVING, REPLACE THE SOIL AND THE SODS.

## TAKING CARE OF YOUR FIRE



## FIRE-FIGHTING BROOMS AID SAFETY

As an emergency tool to prevent spread of grass and brush fires, fire-fighting brooms located in strategic positions make it possible to attack small fires quickly.

Special fibers, colored fire-department red, make broom shown at left easily identifiable. Cut-away sketch at right shows solid construction of fibers, which aids their fire-killing properties.

Manufacturers suggest hanging one fire-fighting broom outside each camp cabin, placing additional brooms on trees and in other locations, where they can be had at a moment's notice to fight fire anywhere on camp property.



## THE NEW... FIRE-FIGHTING BROOM

THIS IS THE EMERGENCY TOOL YOU  
SEE DESCRIBED ON PAGE 32

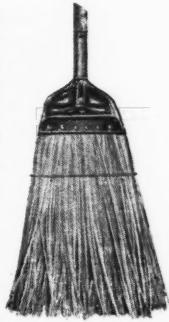
Flame-proofed fibres are firmly cemented into a heavy rust proof cap and there is a metal collar at the base of a 42 inch hardwood handle. Galvanized metal band holds fibres firmly in place. These brooms meet with U. S. Forestry and city Fire Department specifications and are guaranteed against defects.

PERFEX fire fighting brooms can easily be handled by any boy or girl camper, and should be placed about the permanent camp within easy reach, as standard safety equipment. In the open campsite, they are especially essential for water is not immediately available there. One of these flame-proofed fire brooms in a handy place in your camp may prevent a serious forest fire.

Send today for the informative pamphlet "How a Fire Fighting Broom Prevents Brush and Grass Fires." You will find many hints on this type of safety equipment, and descriptions of the many other camp brooms manufactured by PERFEX, including tent and cabin brooms, kitchen brooms and many others.

### TRIAL PACKAGE OFFER

See these PERFEX brooms for yourself. Send \$12.00, for six of these PERFEX flame-proofed fire fighting brooms or pay postman on arrival. Price is postpaid.



**PERFEX**

Brooklyn 8, New York

Twenty-five years of experience  
manufacturing fibre brooms.

## Where to Place Fire Extinguishers

An adequate number of fire extinguishers does not necessarily mean adequate protection. Extinguishers not only must be the correct type for the hazards they guard, but must also be properly placed in accordance with conditions.

The following rules are for the placement of extinguishers:

1. Locate close to likely fire hazards.
2. Place so that fire will not block access to them.
3. Locate enough units to deal with severity of the blaze which might be expected, rapidity with which it might spread, intensity of heat, etc.
4. Locate conspicuously so that everyone will be familiar with locations.
5. Identify each unit for type of fire it is designed to combat.
6. Protect from traffic. Don't put extinguishers unprotected where they might be damaged or knocked out of place.
7. Instruct the camp fire brigade on the location of all units and acquaint them with the operation of each type of extinguisher. But don't rely wholly on first-aid equipment. Attack the fire as quickly as possible, but always summon the fire department, if one is available, as well.

## Total Painting Area

### For Rooms—4 Walls and Ceiling—in Square Feet

#### 7 FOOT CEILINGS

	6' Width	8'	10'	12'	14'	16'	18'	20'
6' Length	204	244	284	324	364	404	444	484
7'	224	266	308	350	392	434	476	518
8'	244	288	332	376	420	464	508	552
9'	264	310	356	402	448	494	540	586
10'	284	332	380	428	476	524	572	620
11'	304	354	404	454	504	554	604	654
12'	324	376	428	480	532	584	636	688
13'	344	398	452	506	560	614	668	722
14'	364	420	476	532	588	644	700	756
15'	384	442	500	558	616	674	732	790
16'	404	464	524	584	644	704	764	824
17'	424	486	548	610	672	734	796	858
18'	444	508	572	636	700	764	828	892
19'	464	530	596	662	728	794	860	926
20'	484	552	620	688	756	824	892	960
21'	504	574	644	714	784	854	924	994
22'	524	596	668	740	812	884	956	1028

#### 8 FOOT CEILINGS

	6'	8'	10'	12'	14'	16'	18'	20'
6'	228	272	316	360	404	448	492	536
7'	250	296	342	388	434	480	526	572
8'	272	320	368	416	464	512	560	608
9'	294	344	394	444	494	544	594	644
10'	316	368	420	472	524	576	628	680
11'	338	392	446	500	554	608	662	716
12'	360	416	472	528	584	640	696	752
13'	382	440	498	556	614	672	730	788
14'	404	464	524	584	644	704	764	824
15'	426	488	550	612	674	736	798	860
16'	448	512	576	640	704	768	832	896
17'	470	536	602	668	734	800	866	932
18'	492	560	628	696	764	832	900	968
19'	514	584	654	724	794	864	934	1004
20'	536	608	680	752	824	896	968	1040
21'	558	632	706	780	854	928	1002	1076
22'	580	656	732	808	884	960	1036	1112

#### 10 FOOT CEILINGS

	6'	8'	10'	12'	14'	16'	18'	20'
6'	276	328	380	432	484	536	588	640
7'	302	356	410	464	518	572	626	680
8'	328	384	440	496	552	608	664	720
9'	354	412	470	528	586	644	702	760
10'	380	440	500	560	620	680	740	800
11'	406	468	530	592	654	716	778	840
12'	432	496	560	624	688	752	816	880
13'	458	524	590	656	722	788	854	920
14'	484	552	620	688	756	824	892	960
15'	510	580	650	720	790	860	930	1000
16'	536	608	680	752	824	896	968	1040
17'	562	636	710	784	858	932	1006	1080
18'	588	664	740	816	892	968	1044	1120
19'	614	692	770	848	926	1004	1082	1160
20'	640	720	800	880	960	1040	1120	1200
21'	666	748	830	912	994	1076	1158	1240
22'	692	776	860	944	1028	1112	1196	1280

#### 12 FOOT CEILINGS

	6'	8'	10'	12'	14'	16'	18'	20'
6'	324	384	444	504	564	624	684	744
7'	354	416	478	540	602	664	726	788
8'	384	448	512	576	640	704	768	832
9'	414	480	546	612	678	744	810	876
10'	444	512	580	648	716	784	852	920
11'	474	544	614	684	754	824	894	964
12'	504	576	648	720	792	864	936	1008
13'	534	608	682	756	830	904	978	1052
14'	564	640	716	792	868	944	1020	1096
15'	594	672	750	828	906	984	1062	1140
16'	624	704	784	864	944	1024	1104	1184
17'	654	736	818	900	982	1064	1146	1228
18'	684	768	852	936	1020	1104	1188	1272
19'	714	800	886	972	1058	1144	1230	1316
20'	744	832	920	1008	1096	1184	1272	1360
21'	774	864	954	1044	1134	1224	1314	1404
22'	804	896	988	1080	1172	1264	1356	1448

DEDUCT FOR OPENINGS—DOORS, WINDOWS, ARCHWAYS, ETC.

## Estimating Paint Quantities

The quantity of paint needed for any job may be determined as follows:

1. Determine number of square feet to be covered by multiplying width of walls by height, making deductions for areas of windows and doors. For roofs, figure over-all dimensions of the building by multiplying width by length, taking measurements to the outside of walls level with the wall plate where rafters rest, then add as follows:

½ pitch.....	42% to level area
1/3 pitch.....	20% to level area
¼ pitch.....	12% to level area
⅓ pitch.....	25% to level area
⅕ pitch.....	60% to level area
⅗ pitch.....	80% to level area

2. Determine quantity of paint needed by applying appropriate coverage figure given below. These spreading capacity figures are all approximate, since surface porosity, application system, and other similar factors will have important bearing on amount of paint required.

### Flat Wall Paint

Average spread per gal., one coat.....	450-500 sq. ft.
Drying time in hours.....	24-36

### Floor and Deck Enamel

Average spread per gal., one coat.....	450-500 sq. ft.
Drying time in hours.....	12-18

### Interior Gloss

Average spread per gal., one coat.....	450-500 sq. ft.
Drying time in hours.....	24-36

### Prepared Paint, Exterior

Average spread per gal., one coat.....	500-600 sq. ft.
Drying time in hours.....	24-36

### Creosote Stain

Average spread per gal., one coat.....	200-250 sq. ft.
Drying time in hours.....	18-24

### HARVEY'S LOG CABIN SEAL & FINISH

"Proved Best by Craftsmen Test"



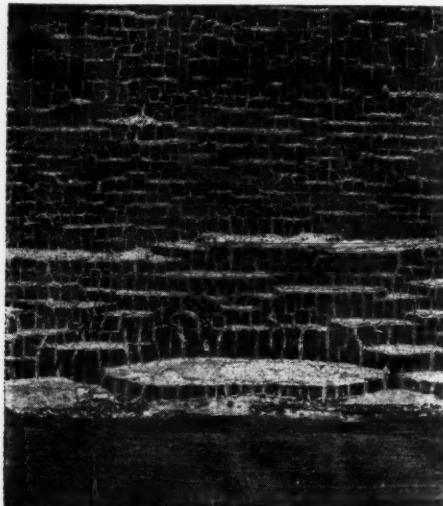
WOOD PRESERVATIVE AND FINISH  
TO KEEP WOOD IN ITS  
NATURAL COLOR.

Write for Free Samples and Literature  
Test and Compare

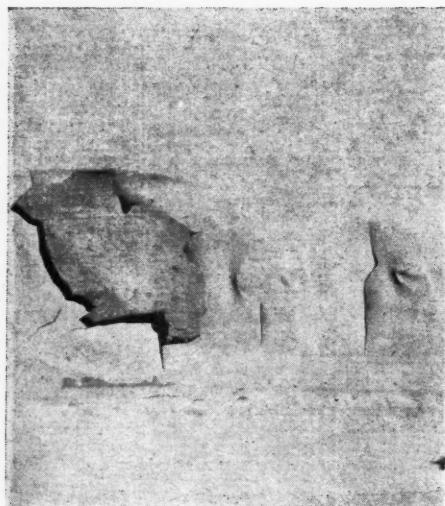
PHILLIP J. HARVEY INC.  
DETROIT 26, MICHIGAN

## Common Painting Troubles and their Causes and Cures

Keeping camp buildings painted regularly will save greatly on deterioration; when paint troubles do appear, checking the following pages will enable you to prevent their recurrence.



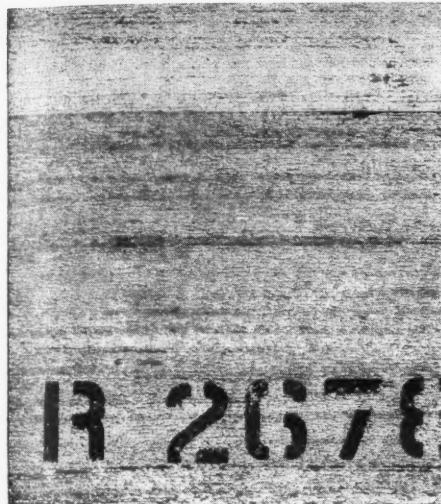
**ALLIGATORING**—Shortly before a film ceases entirely to give adequate protection it takes on an appearance of an alligator skin. It is an advanced stage of checking, the cracks having reached down through the film into the bare wood. It is generally due to an improperly built up paint film. There is but one sure cure, the removal of the old film and a new film applied. This is one of the most difficult and expensive types of paint troubles to cure and one of the most troublesome.



**BLISTERING**—This is a variety of failure for which paint is many times unjustly blamed as it is frequently due to mechanical defects in the building. The blisters are caused from water which seeps up through the painted surface and pushes off the paint film which easily breaks and peels away.

This particular condition can often be found on many types of surfaces, such as wood, stucco, concrete, etc.

The remedy is costly, involving the removal of all paint and a cure of the structural defect causing the unusual moisture condition which is responsible for the blistering.



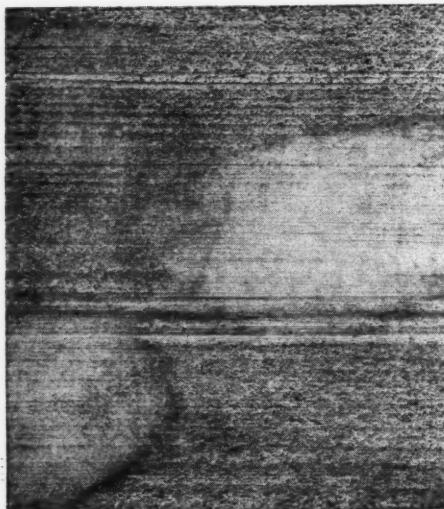
**CRACKING**—Fine cracks appear, then water enters and seeps down to the wood surface. The resultant pressure causes the edges to curl up, flake and scale off and soon exposes the bare wood. The use of undercoat and finishing coats of equal elasticity, possessing equal ability to expand and contract will safeguard against this condition.



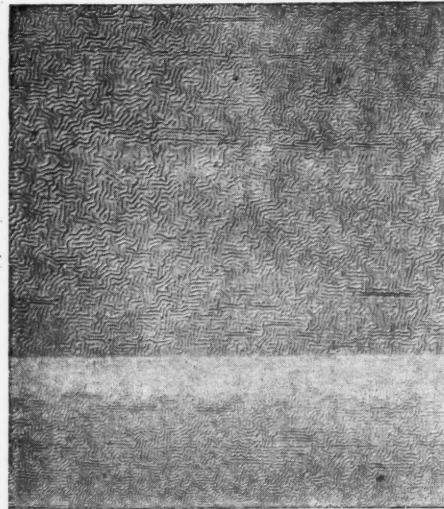
**CHECKING**—This is a minor reason for paint failure. It may be due to poor workmanship or use of improperly formulated materials. The finish coat might not be properly formulated for application over an undercoat of the required elasticity. On the other hand, the undercoat might not be hard enough for the finish coat that is being used. Often normal weather wear causes these cracks to disappear. If not, the surface should be wire brushed and repainted. Ideal prevention requires from 3 to 7 days waiting time between coats of paint.



**SPOTTING**—A most frequent cause for spotting is unequal oil absorption, due to skimping to make a gallon of paint cover more area than called for.



**PAINT STAINS**—Caused by the water drips from copper or iron pipes and gutters—prevention lies in painting the metals properly. When damp wood is painted the water eventually finds its way into the paint film, carrying with it substances which cause large brown stains. Resin works its way to the surface and ugly encrustations appear. Prevention of these troubles is proper seasoning of wood to eliminate moisture before painting.



**WRINKLING**—This is caused by too heavy a coat of paint, not properly brushed, or by wrong combination of oil and pigment in finish coat. If the texture is not too pronounced, sanding and repainting are often all the remedies that are required to correct this unsightly condition.

Where old paint is peeling off or chipping, it is necessary to burn off or scrape the entire surface. If any of the chipped or peeled off paint is left on the surface, it will soon start to push off any paint applied on top of it.

Cracks should always be filled to prevent moisture from getting into the wood; loose boards should be nailed down tightly; and nail holes should be filled with putty.

Once the moisture has entered, it pushes the paint film away from the surface, causing blisters. Wire brushing and sanding smooths surface.

Source: Pittsburgh Plate Glass Co.

## Camp Photographic Darkrooms

Simple darkroom equipment lists, including all necessities, are as follows for camp darkrooms:

### FOR A SMALL DARKROOM

#### Film Development

##### Minimum Equipment

Darkroom lamps  
Three Enameled trays  
Timer  
Tray thermometer  
Graduate  
Six junior film clips  
Glass stirring rod  
Overhead wire with spring-clip clothespins for drying films  
Wastebasket

##### Other Useful Equipment

Day-loading tank for 35mm magazine  
Three hard rubber tanks 4 x 5-inch with eight sheet film developing hangers  
Darkroom ventilator  
Photo chamois

#### Contact Printing

##### Minimum Equipment

Auto-mask printing frame  
Enameled tray, 16 x 20 or 20 x 24 inches

##### Other Useful Equipment

All-metal printer  
Automatic tray siphon  
Senior trimmer  
Ferrototype plates  
Print roller or squeegee  
Photo blotter roll

#### Enlarging

##### Minimum Equipment

Portable miniature enlarger or precision enlarger  
Three enameled trays

##### Other Useful Equipment

Masking paper board  
8 x 10 enlarging easel  
Print paddle

### FOR A LARGER DARKROOM, Add

#### Contact Printing

Second auto-mask printing frame  
Four enameled trays 8 x 10 or 11 x 14 inches

#### Enlarging

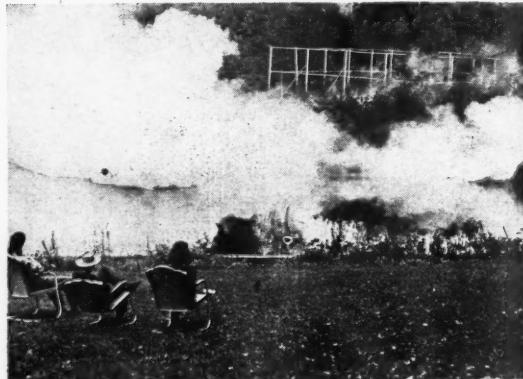
Second enlarger: portable miniature enlarger or precision enlarger  
Second masking paper board or second 8 x 10 enlarging easel  
Second print paddle

Source: Eastman Kodak Co.

# *Free your guests from insect pests!*

USE **TIFA** FOR  
**MOSQUITO and FLY CONTROL!**

TIFA — the amazing fog machine — already serves hundreds of modern camps. It discharges insecticides in a true, clean fog spreading quickly, clinging to all objects, permeating tiny crevices. Tests have proved TIFA faster, more efficient than any other method. One-man-operated, sturdy TIFA saves you money on labor and materials. Put TIFA to work for you!



**Todd Insecticidal  
Fog Applicator**



Write for new circular

**TIFA SERVICE**  
by **CUSTOM FOGGER**

If your need is not sufficient to have your own TIFA, write us for name of your local custom fogger.

**COMBUSTION EQUIPMENT DIVISION**

**TODD SHIPYARDS CORPORATION**  
81-16 45th AVENUE, ELMHURST, QUEENS, N. Y.

## Insect and Pest Control

### Insect and Where found

Houseflies

Kitchens and Dining rooms

Mosquitoes

Indoors

Outdoors

Cockroaches  
Kitchens and  
Dining rooms

### Methods of Control

1. Good sanitation to prevent breeding.
2. Adults can be killed by fly spray (Grade AA recommended), aerosol bomb or fog aerosol.
3. Coarse, wet spray of 5% DDT solution where residual deposit is not objectionable, applied to kitchens, food-storage rooms, dishwashing rooms, pantries, dining rooms, rafters, hanging lights, ceilings, projecting room corners, shelves, inside and outside of cupboards, floor cabinets, underside and legs of all tables, workbenches, meat-blocks and sinks, around door trim and windows, screening and stands upon which disposal cans are kept.
4. Fog aerosol treatment for indoor work is usually incidental to treatment for other domestic insects. The general formulation consists of 10% DDT, 5% Chlordane and 2% of 20 to 1 strength pyrethrum solution. It is applied in a very dry fog at the rate of not more than one gallon to 50,000 cubic feet of interior. Surfaces coming in contact with food are covered before fogging. (This general fogging formulation can also be used to combat cockroaches, silverfish, bedbugs, fleas, ants, sandflies, gnats and blackflies.)

Same method and at same time as for houseflies.

1. Eliminate breeding grounds by draining swampy land or spray breeding grounds every ten days with DDT oil solution or dust with 1% DDT powder.
2. Apply 5% DDT petroleum base spray carefully to surfaces of buildings, rock walls and shelters where they may alight. From 1 to 2½% DDT wettable powder, dissolved in water can be sprayed on tree trunks, bushes and vegetation close to camp.

Fog applications utilize 5% DDT in solutions, emulsions or suspensions, at as low as 1/50th pound per acre.

Apply 5% DDT petroleum spray on undersides of sinks, shelves, along baseboards and walls.

10% DDT dust can be blown into harboring places with dust guns. Treat again if necessary.

Silverfish	Same methods as above.
Bedrooms	
Bedbugs	5% DDT petroleum spray applied to unused beds, mattresses, baseboards and similar places of harborage.
Bedrooms	
Fleas	Dust with 10% DDT dust, especially sleeping quarters of pets. Sprinkle floor lightly and sweep powder back and forth to distribute into floor cracks.
Indoors	
Ants	Treat the points of entrance from outside with 5% DDT spray.
Kitchens and	
Dining rooms	
Sandflies and Gnats	Spray screening with of 5% DDT solution in heavy petroleum base.
Indoors	
Outdoors	Same treatment as for mosquitoes.
Blackflies	Same treatment as above.

## VALUE! DIVING PLATFORM and FLOATING DOCK JUST WHAT YOU'VE BEEN LOOKING FOR!

**\$139.50**

F. O. B. FACTORY

### SPECIAL OFFER —

We pay freight charges on all orders received and accepted before June 1.

Camps, schools and resorts on lakes all over America have bought and endorsed this sturdy diving platform and floating dock. Lifetime investment! Constructed to take any kind of water . . . all conditions.



7 ft. wide  
11 ft. long  
Wt. approx. 600 lbs.

- ★ All welded cylindrical steel
- ★ 32 separate airtight compartments
- ★ Durable painted platform of finest red cedar—all screws, no nails
- ★ Life-line rings and hook attachments for anchor
- ★ Easily moved anywhere on truck or trailer

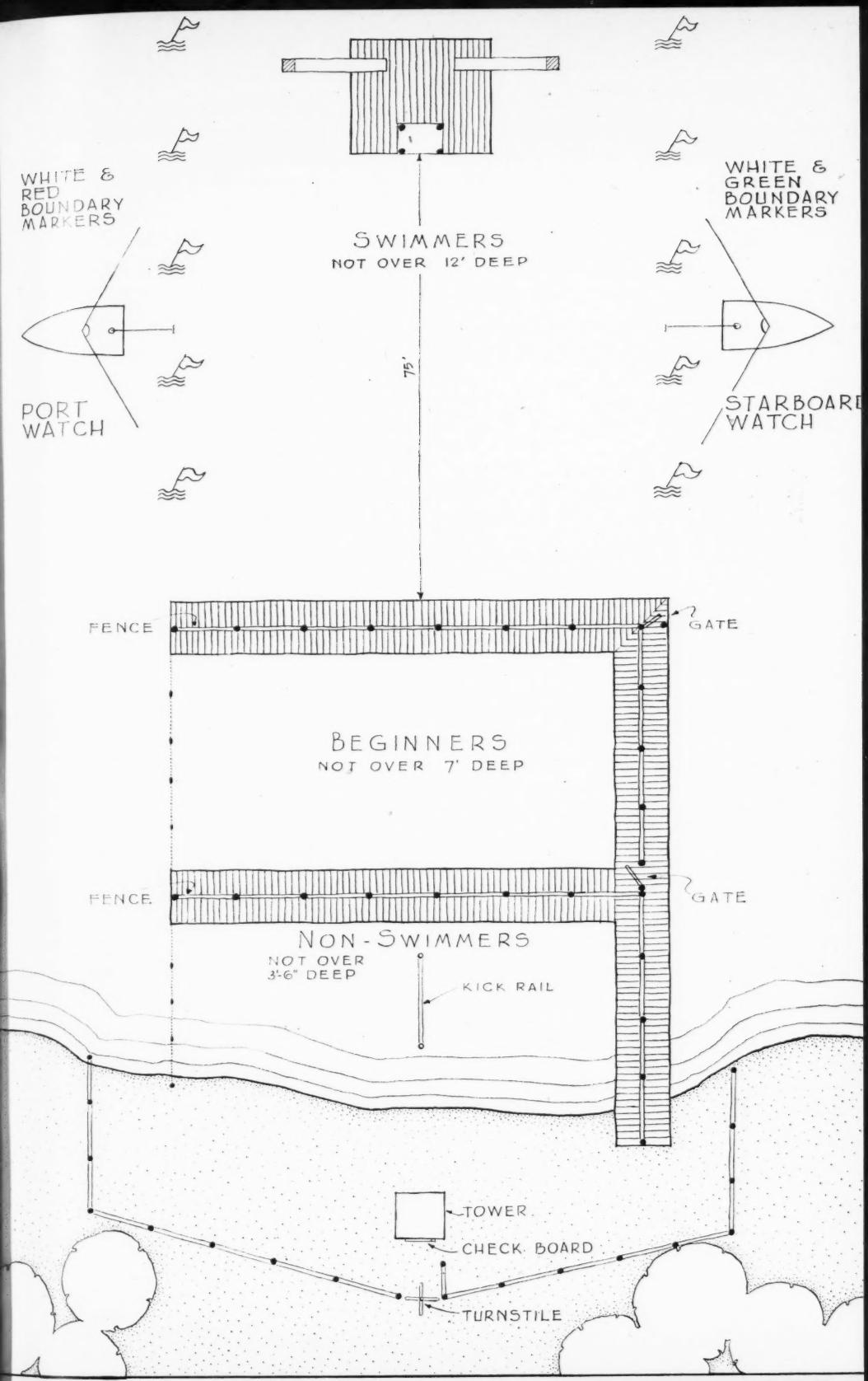
**EASTERN CABINET WORKS**

Specialists in All Types of Woodworking and Custom Furniture

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DETROIT 7, MICHIGAN

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# The Ideal Camp Canoe



No WONDER it's so popular with camp operators—the Grumman Aluminum Canoe is practically *maintenance free!*

NEVER NEEDS PAINTING in *fresh water*—a yearly painting for salt water use.

RUGGED—Almost impossible to puncture—no messy patching jobs. Tests prove it tops for SAFETY! Unsinkable, because of its built-in air tanks, famous for stability.

*Everybody wants to try it. Its light weight and ease of handling has made it very popular with youngsters and beginners as well as veteran canoeists.*

Canoes are made in 13, 15, 17, 18 and 20 foot sizes and in two weights. Choice of natural aluminum or any of four handsome colors. Canoes and boats are adaptable for sailing equipment available for all models.

DISCOUNTS TO CAMPS. Write for free descriptive folder and prices, giving name of camp and your position.

P.S. Also write for information on the new 15 foot Aluminum Sports Boat.

METAL BOAT SALES, Dept. CD-50

Grumman Aircraft Engineering Corp.  
Bethpage, L. I., N. Y.

**GRUMMAN**  
ALUMINUM CANOES AND BOATS



## EVERYTHING FOR YOUR WATERFRONT PROGRAM

- ★ ADJUSTABLE STEEL PIERS
- ★ DIVING STANDARDS
- ★ DIVING BOARDS
- ★ SURF BOARDS
- ★ NEW FIBRE-GLASS KICK BOARDS
- ★ RING BOOYS
- ★ AREA MARKERS and FLOATS
- ★ RESCUE POLES
- ★ BATHING CAPS — ALL TYPES
- ★ CHECKING PINS and TAGS
- ★ TEACHING TUBES

*Send for Our New Catalog  
Inquiries Invited*



**ADOLPH KIEFER & CO.**  
765 W. LEXINGTON STREET      CHICAGO 7, ILL.  
Leading Manufacturers & Distributors of Aquatic Supplies

## 28 Water Games for Camp

Here are 28 water games, divided into four types — team games, mass games, tag games and relay races. Some are designed to instill greater confidence in beginning swimmers; others are of a more advanced nature. All are good fun and will add considerably to the enjoyment of swimming periods.

### Type 1—Team Games

#### 1. Circle Catch

Players join hands in two or more circles of even numbers. A leader is chosen for each group. At a signal, each leader passes a ball to left or right. Object of the game is to see which side can pass the ball around the circle one or more times and get it back in the leader's hands first. If a contestant misses the ball he must recover it as quickly as possible. In place of a ball a heavy object may be used.

#### 2. Cork Game

Teams are lined up on opposite sides of the swimming area. Throw 100 or more corks or floats in the water. At a signal, teams swim toward the center and attempt to get as many corks as possible. The team wins which collects the greatest number in a given time.

#### 3. Challenges

Challenges made between individuals within a group, or leaders of different groups, are always good fun. The challenger performs the stunt. If the opponents cannot do it, a point is scored for the challenger.

#### 4. Drop the Puck

This game is played like the old game "drop the handkerchief" except that a puck or other weighted object is used. Players form a circle and the swimmer who is "It" swims around with the puck in his hand. He drops it behind one of the players, who must recover it and give chase around the circle, trying to catch the player who is "It" before he can succeed in taking his place.

#### 5. Retrieving

Twenty or more bright tin plates or other objects are thrown into the water. Teams line up on shore. On signal, all dive in. Team recovering the greatest number of objects wins.

#### 6. Volley Ball

May be played by any number of people. Divide players into two groups, one group on either side of net, which is hung so that the lower edge is about three feet above the water. If water depth varies, have players rotate from shallow to deep water, if possible. Use a water polo ball and bat it back and forth over net, using hands. Ropes floated with wooden "beads" can be used to mark limit lines. Side loses ball if it fails to return it or if it bats ball over limit lines. Side winning ball serves. If serving side wins ball, it scores one point. Only the serving side scores; if it loses ball, it simply fails to score.

#### 7. Punch Bowl

A heavy wire is stretched down the middle of the swimming area and about nine feet above the surface. Suspended from the cable on a sliding brass ring is a punch bag attached with a seven foot rope and a snap buckle. (The snap buckle enables the leader to remove the bag when a clear area is desired, but when attached the bag hangs a foot above the surface.) Playing group is divided into two teams, each remaining on its side of the wire. The team batting the bag to its ends of the wire scores a goal. In the melee the pool looks like a veritable "punch" bowl. Definite rules have not been worked out,



## BUY OLD TOWN CANOES FOR YOUR CAMP

Join the scores of camps that use Old Town Canoes. The inexpensive upkeep of this faithful craft will appeal to your bookkeeper. Old Town Canoes are built to withstand hard treatment, yet they're light and delicately balanced for safety. Easy, too, to carry.

For 50 years Old Town has been the standard canoe—more widely used than any other make. Its fame throughout the country is a tribute to its excellent workmanship.

**Place Your Order Now.**

**Make sure of having  
OLD TOWNS  
for the camp season.**

Also we can supply flat-bottom boats—so popular with many camps—and sailboats, boats for use with outboard motors, and skiffs for rowing and motor use. Our variety of models will meet any need you may have for camp watercraft.

Old Town quality accessories include paddles, oars, slat back rests, mast seat, carrying yokes, cushions, etc.

WRITE FOR FREE CATALOG. ADDRESS

**OLD TOWN CANOE CO.**  
682 Elm Street

Old Town, Maine

**"Old Town Canoes"**

but the game is good fun without any rules other than the above.

### 8. Water Baseball

"Diamond" may be all deep water, all shallow water, or outfielders only in deep water. Use an indoor baseball and bats.

### 9. Water Basketball

Goals 60 feet apart, or a shorter distance, according to playing area. All play should be in deep water. Played the same as land basketball.

### 10. Tug of War

Prepare a long strip of stout canvas or heavy rope with stationary loops of heavy canvas to serve as shoulder loops, one for each swimmer. Tie a red cloth to mark the center of the rope. Float a rope for a center line. Players line up at rope, each adjusts one shoulder loop over his shoulder, and at signal they try to tug the rope toward their own goal. Each player has to swim hard against resistances.

Variation: Two teams line up on shore. Two players hold a floated rope with center marked, parallel to the shore. At signal, teams rush to rope and try to tug it to their side, by swimming.

### Type 2—Mass Games

#### 11. Swimming Spell Down

Instructor calls out a stunt. Swimmers performing the stunt remain in the game; others are eliminated as in a spelling match until a champion is left. Start with easy stunts to prevent players being eliminated too fast, and gradually make stunts more difficult. Suggested stunts for a water spell down:

- a. Swim with one arm out. (Side-stroke.)
- b. Swim with arms out. (On back.)
- c. Steamboat: coasting position of head and arms, feet perform crawl kick.
- d. Duck dive. (Surface Dive.)
- e. Log roll: keep legs, body and

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arms stretched in straight line; roll.

- f. Surface dive with hands at sides. (Jack knife quickly.)
- g. Corkscrew surface dive.
- h. Sculling feet first, hands at side.
- i. Sculling feet first, hands overhead.
- j. Corkscrew feet first.
- k. Stomach cramp float. Rubbing tummy with both hands.
- l. Porpoise diving. (Surface dive to bottom, spring up, repeat.)
- m. Crab swimming. (Breast stroke moving backwards, reversing arm motions.)
- n. Crab swimming sideways. (On back, scull so as to move sideways.)
- o. Mermaid's Prayer. (Kneeling float.)
- p. Water Wheel. (Back wheeling.) Floating on back, sculling in circle.

- q. Front somersault.
- r. Back somersault.
- s. Swim with one foot out. (Lying on back, head submerged.)
- t. Swim with both feet out. (Lying on back, head submerged.)
- u. The human bobber. Balancing stunt. Take handstand position in deep water. Scull so that you move forward, feet out of water.)
- v. Swim, hands clasped and feet together.
- w. Pendulum float.
- x. Bicycle on side.
- y. Tread water waist deep. (Requires strenuous treading to raise body in deep water so that one is treading with shoulders and arms out of water.)
- z. Walk home from boat ride. (Same as above only propelling self forward.)

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- aa. Rotary crawl. Crawl on face and back, rolling right and left alternately.
- bb. Tasmanian crawl.
- cc. Egyptian stroke.

### 12. Neptune's Call

Players are lined up on one side of swimming area. The one who is "It" stands or treads water in the center of the area. When he shouts "Neptune's call, come one and all," players must swim to the opposite side. "It" tries to tag as many as he can. All players tagged must remain in the center and help in capturing the others until all are caught.

### 13. Pigeon

Another game that can be played without equipment. Everyone sits at the edge of the water, or side of the float, with knees under chin and hands clasped around legs. On blow of whistle they dive in and swim to the other side of the area, those who are last—say five—are called "pigeoned," and are out.

### 14. Leap Frog

Players line up starting in shallow water, those in deep water treading. Last in line puts hands on shoulders of one before him, pushing latter under water while he leaps over with feet spread wide. Continue until first in line becomes last. Good game to make swimmer "at home in the water." Can also be played as a team game.

### 15. Poison

Form ring by joining hands or by grasping endless rope. "Poison" is some floating object anchored in center of group. Object is to pull the other person so that he touches "poison" but keep from touching it yourself. Anyone touching "poison" is eliminated from the ring until only one person is left. (Note: Games like the above, or other ring games or folk games, can be played in shallow water by children. They have value in making the children

forget their fear of the water.)

### 16. Water Tactics (grand march, etc.)

Group in deep water executes movements at command of leader who orders facing, marching and saluting for individuals. In rows of two or four, groups execute marching, wheeling, etc., in gymnasium style. With practice, group may form letters, each individual floating face downward in position, at signal.

## Type 3—Tag Games

### 17. Stunt Tag

Instructor calls out certain part of body which must be out of water to secure immunity. "It" may tag any player not thus immunized. Variations are "One foot out," "Head submerged and hand out," "Both feet out," etc.

### 18. Ball Tag

Played in limited area, in water waist deep for nonswimmers, or in deep water for swimmers. "It" tries to tag someone by tossing the ball. The one tagged becomes "It."

### 19. Japanese Tag

Instructor announces certain part of body which must be tagged, by "It"; as head, right shoulder, left hand, etc. Those who are tagged must join "It" and try to tag the remaining players.

### 20. Hold Tag

The one who is "It" walks or swims after other players, attempting to tag them. Player tagged must place his left hand on the spot where he was touched and, holding this position, attempt to tag another.

### 21. Under Cover

This is a variation of stunt tag game. In order to be safe, one must be completely submerged.

## Type 4—Relay Races

### 22. Leap Frog Relay

Teams line up in shallow water: goal is in deep water. At signal, last man in each team leaps over one in front of him, continuing until goal is reached.

### 23. Obstacle Relay

Teams line up on shore. At signal, first swimmer in each team races to a log anchored in the water, climbs over it, turns and swims under it, returning to start. Second swimmer follows suit. Other obstacles which may be used: boats, barrels, spars, life buoys, etc.

### 24. Disrobing Relay

First swimmer in each team wears, over bathing suit, an assortment of clothing. May be pajamas, or complete street outfit including umbrellas, or other variations. At signal, he dives in, swims to raft, climbs on raft and removes clothing, which must be piled in a heap in the center of raft. Returns to start, upon which second swimmer swims to raft, climbs out and dresses in the outfit discarded. Second swimmer may use any clothing found in the heap; need not secure clothing his partner left but must dress in complete outfit and return to start. Two swimmers on each team are sufficient for this relay.

### 25. Touch Relay

Line up teams on opposite sides. Object of the game is to touch whatever is called and to return to starting place as quickly as possible. The leader may bring in any number of skills, and the game can be made most interesting as he calls out "touch bottom of lake," or "touch toes, suits, rubber, wood, etc."

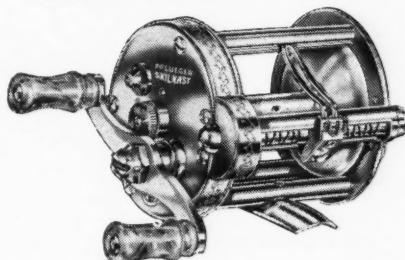
### 26. Nightgown Relay or Pajama Relay

This is an interesting event to top off a meet. Various colors may be used. Put on pajamas, dive in, swim a certain distance, or to boat, float, etc., get out, take off pajamas, then return. Partner has to put on wet pajamas or gown and swim distance, repeating until whole team has swum with the garment, which will probably be completely wrecked by the finish.

### 27. Flag Relay

This event is designed to develop and

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utilize the side-carry position in life saving. A small flag may be carried in the upper hand and passed to teammates in water at each end. An interesting variant is to use a large parade flag, a 6-foot flag on an 8-foot staff. The base rests on the swimmer's upper hip; the flag is carried upright and must be kept dry. Red Cross flags, or flags with aquatic symbols may be used. Shallow pull of under arm and scissor kick must be used.

### 28. Carrying Races

Each contestant swims to goal, carrying a lighted candle, paper parasols or flags. Another variation is to have each swimmer hold in his hand a tin plate on which there is a stone. Swimmers may also push balloons or balls to goal. By carrying large parade-size flags on 6- or 8-foot staves, life saving carrying power is developed.

Source: American National Red Cross

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## Craft Projects for Camp

**A graded and classified list of craft projects and materials required for the craft shop, prepared by Marion Trowbridge.**

Every well-equipped craft shop should contain: scissors, pencils, erasers, rulers, compasses, pins, thumb tacks, hammer, nails, glue, paste, tracing paper, newsprint, steel wool, sandpaper, carbon paper, razor blades, brushes (variety of kinds), shellac, rags, alcohol, turpentine, needles and thread.

Types of Project and Age Groups	Items Which Can Be Made	Materials, Tools and Equipment Needed
Basketry 9-15 and over	Baskets, trays, hot mats, waste baskets, holders for tumblers, sandals	Plant fibers - round, flat or flexible - purchased or gathered at campsite - vines, willow, reeds, grasses, fibers, ash, corn husk Tub for soaking fibers, heavy scissors, awl, pliers, tape measure, sharp knife, tapestry needles
Batik 12-15 and over	Scarfs, handkerchiefs, wall hangings, place mats, curtains	Wax (1½ paraffin, ½ beeswax), dye, gasoline Frames for stretching cloth, heat for keeping wax hot, brushes, tjantings
Blockprinting Linoleum 12-15 and over	Stationery, book-plates, wall hangings, handkerchiefs, place mats, greeting cards, labels, stickers, luncheon sets, napkins	Battleship linoleum, printers' inks Linoleum tools, (V-shaped veiners, U-shaped gouges), brayer, glass, pallet knife
Potato print 6-11	Stationery, scarfs, handkerchiefs	Raw potatoes, tempera paint Knife or razor blade
Carving, Soap 9-15 and over	Figures, animals, (round or relief)	Large bar soap Knife
Carving, Plaster 12-15 and over	Figures, animals, plaques	Plaster of Paris, cardboard box (size of desired object) Bowl to mix plaster, stick or spoon, knife

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PLAINFIELD, N. J.

Type of Project and Age Groups	Items Which Can Be Made	Materials, Tools and Equipment Needed
Carving, Wood 12-15 and over	Totem poles, figures, animals, plaques, tiles	Soft pine or basswood Saw, gouges (set of wood tools), rasp knife
Carving, Chip 12-15 and over	Boxes, trays, plates, clogs, book-ends, picture frames, tiles	Soft pine or basswood (or battleship linoleum) stain raw umber, oil paint and turpentine) varnish or shellac, wax Razor blade, brush, rags
Clay (unfired) 6-15 and over	Figures, animals, bowls, masks	Moist or dry clay (preferably self-hardening or add dextrin) oilcloth squares (18"), rags, tempera paint, shellac, enamel Plaster bats, clay tools (or meat skewers, orange sticks, etc.) brushes, clay container (metal garbage can or heavy earthen crock with cover) wire, rolling pin
Clay (fired) 12-15 and over	Figures, animals, bowls, boxes, dishes, tiles	Pottery clay, glazes, oilcloth, rags See unfired clay, plus kiln, potters' wheel
Cork 6-15	Scrapbooks, tiles, belt squares, place mats and coasters; decorate (apply to) wooden trays, book ends, boxes, waste baskets, desk sets	1/16", 1/8", 1/4", cork, water color paints, shellac, glue Scissors, brushes
Felt 9-14	Fireplace mittens, purses, moccasins, hair bands, flowers, beanies, pennants, belts; applique on wood, cork or cloth; eye glass cases, animals, dolls	Various color felt, yarn, thread, beads Pinking shears, needles

Type of Project and Age Groups	Items Which Can Be Made	Materials, Tools and Equipment Needed
Gesso 12-15 and over	Apply on wooden surfaces: boxes, book-ends, picture frames, bowls, scrap books, plaques, desk sets, trays	Gesso (prepared or home-made) enamel or oil paint, varnish, wax paper Brushes
Glass etching 12-15 and over	Tumblers, ash trays, paper weights, dishes, desk identifications, tiles	Etching compound, masking tape, black asphaltum, rags Razor blade, brushes, tooth picks, cotton
Horn 12-15 and over	Beads, buttons, rings, ear rings	Deer horns, cow horns, elk horns, leather thonging Saw, drill, knife
Knitting (or braiding) Gimp 6-14	Lanyards, bracelets, belts	Colored gimp (flat and round,) fastenings
Yarn, strings and raffia, etc. 11-15 and over	Belts, bookmarks, napkin rings, bracelets, purses, mesh scarfs	Yarn, colored twine, strings, raffia, thread

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Type of Project and Age Groups	Items Which Can be Made	Materials, Tools and Equipment Needed
Leather 9-15 and over	Bill folds, key cases, moccasins, belts, purses, archery wrist guards, arrow cases, eye glass cases, book covers, book marks, desk sets, portfolios	Tooling calf, sheepskins and some cowhides, lacing (leather thonging or gimp) fastenings, battleship linoleum (to make own die for modeling)
Metal (16-20 gauge) Chasing Etching Piercing Repousee Hammering 6-15 and over	Bracelets, book ends, desk sets, trays, boxes, candlesticks, letter openers, bowls, tea tiles, cigarette cases, napkin rings or clips, buttons, brooches, buckles	Leather punch, leather wheel marker, vise, modeling tools (pointed & flat), sponge, marble slab, metal stamps, cutting knife, fastening equipment, mallet
Metal Foil 6-15 and over	Apply to wood or heavy cardboard as trays, boxes, match holders, desk sets, picture frames, plaques, book ends, scrap books, three-dimensional use as favors, ornaments, table decorations	Glass or crockery dishes for acids, mallet, wooden molds, bracelet bender, files, coping saw for metal, brace and bit, ballpeen hammer, anvil block or block of steel, lead block for repousee, dapping tools, drill, chasing tools, metal shears
Painting 9-15 and over	Boxes, clogs, trays, plates, book ends, bracelets, buttons, scrap books, picture frames, tiles, bowls	Pewter, copper, brass, german silver, aluminum, etching acids (hydrochloric for aluminum, nitric for other metals), oil and pumice, steel wool, black asphaltum
Paper 6-8 6-8	Pottery, pin trays, nut cups, candlesticks, coasters, napkin holders, tiles Masks	Metal foils (aluminum, copper, brass), liquid solder, nails Hammer, nutpick, meat skewers, orange sticks, teaspoons Tempera paint, shellac, enamel Brushes Serpentine (paper streamers), shellac Paper sacks, crayons, tempera paint (feathers, yarn, etc.)

Type of Project and Age Groups	Items Which Can Be Made	Materials, Tools and Equipment Needed
6-11	Corrugated paper cut and applied to boxes, book ends, waste baskets, etc.	Corrugated paper, tempera paint, shellac. Knife
6-11	Beads: from magazine ads, cut long, thin triangles, roll and shellac	Colored magazine ads or colored paper, string, shellac. Hat pins
9-14	Relief cardboard — cut designs from cardboard and apply to objects — boxes, trays, etc.	Cardboard, tempera paint, shellac Razor blades, scissors
6-8	Ice Cream cartons — make into gift boxes and string holders, paper plates—make into wall pictures or holders	Colored paper, crayons, tempera paint, gummed hangers for plates
6-14	Marbelized paper and starch paper—book jackets, portfolios, box coverings and linings	Oil paint, turpentine, starch, tempera paint, construction paper. Shallow dish
12-14	Paper-paste modeling, boxes, tiles, plaques	Construction paper, plenty of paste. Meat skewers, nail heads, etc.

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Type of Project  
and Age Groups12-15  
and overPapier-mache  
pulp or strips  
6-15

and over

Plastics  
12-15

and over

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6-8	Flower pots and canisters
9-14	Totem poles

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Pins, buttons, bracelets, pin trays, candle sticks, pendants, paper knives, napkin rings, boxes, picture frames, cigarette cases, scalloped dishes

Materials, Tools and  
Equipment Needed

Suitable wallpaper design, cardboard, rubber cement, shellac or varnish

Newspapers, starch, wire, tempera paint, shellac, string, masking tape

Old plates or pie tins

Plexiglass or Lucite sheets, 1/8" - 3/16", sandpaper, Simonize, soap (for saw blade), plastic solvent

Soft clean working area, cotton gloves, scribe or awl, coping saw, files, drill, vise, pliers, oven heat (250-300°)

Birch logs, lead shot

Saw, brace and bit

Tree roots, knotted branches

Knife, saw

Tin cans. Tin shears

Soft wood, branch of tree, paint. Knife, saw

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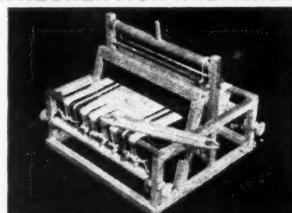
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Type of Project and Age Groups	Items Which Can be Made	Materials, Tools and Equipment Needed
6-8	Paper weights	Stones, enamels. Brushes
9-14	Favors	Birch bark, pine cones, acorns, paint, glue, shellac
9-14 Stencil (spatter) 9-15 and over	Mats (weaving) Stationery, cards, programs, pictures, posters, scrapbooks, wall panels, handkerchiefs, scarfs, luncheon sets, curtains, bibs, aprons	Reeds Stencil paper, water color (on paper) textile paint on cloth, blotter, pad Razor or stencil knife, stencil brushes, glass surface, spatter gun, tooth brush, wire screen
Weaving Looms & over Frames Cardweaving Finger weaving	Scarfs, purses, belts, napkins, place mats, pillow tops, pot holders, hot pads, book marks, rugs	Woolen yarns, carpet warp, cords and twines, cotton yarn, raffia, jute, linen, beads, cardboard, small stick (pencil) Looms, frames, shuttles, tapestry needles
Wood building 9-14	Toys, bird and animal cutouts, bookends, letter holders, bird houses, scrap books, feeding houses, etc.	Scraps of wood (3-ply wood) paint (oil or water) Hammer, nails, saw, coping saw, rasp, vise, brushes

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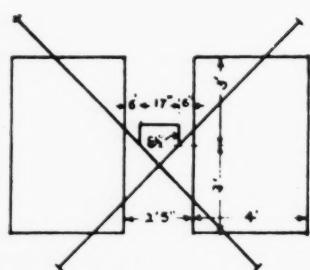
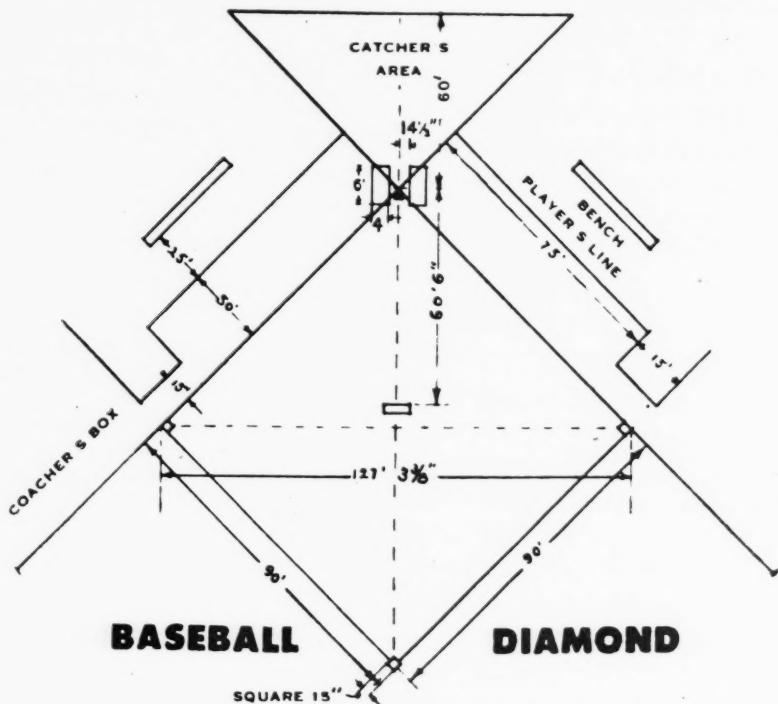
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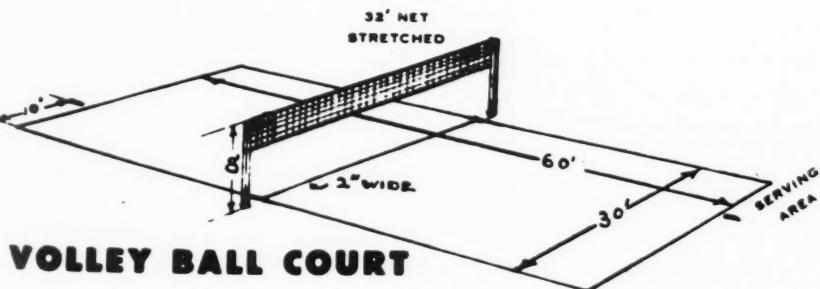
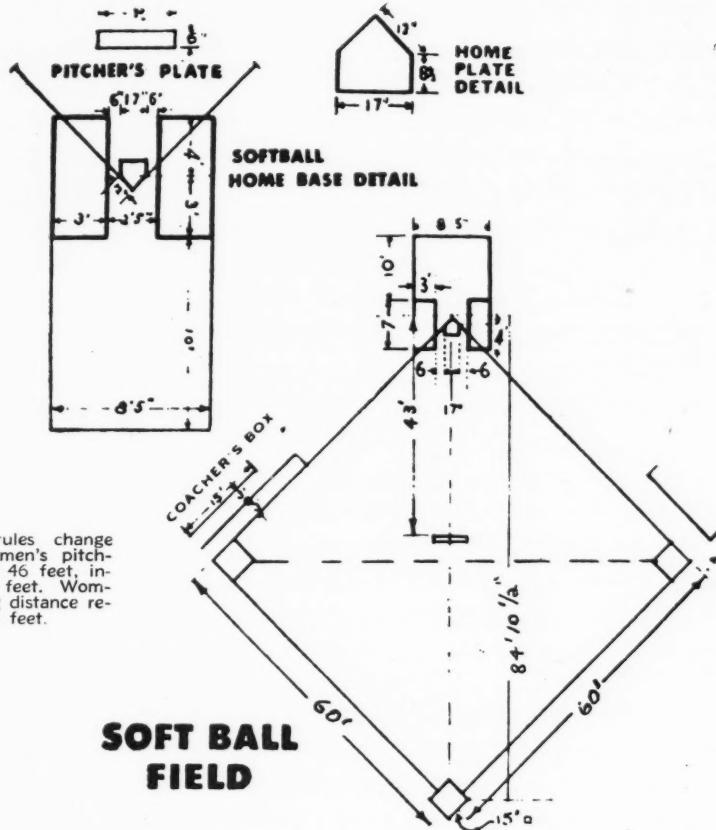
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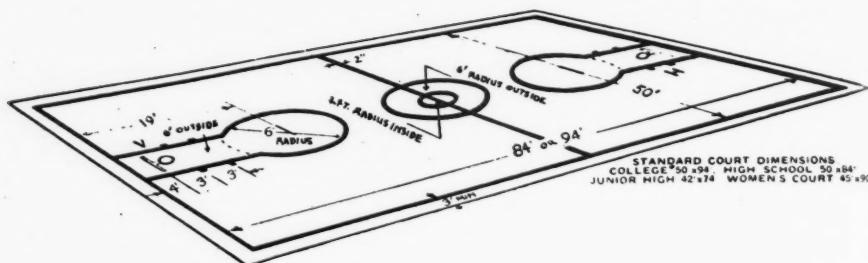


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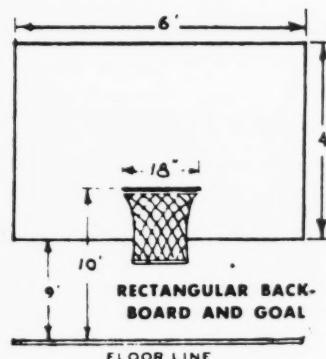
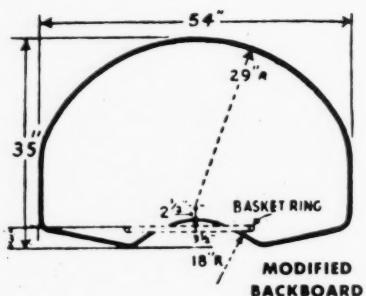
For boys under sixteen years of age measurements changed as follows: Distance between bases, 82 feet; home plate to second base, 115 feet, 11 1/2 inches; same distance across diamond from first to third bases; home plate to pitcher's plate, 50 feet.



## BASKETBALL COURT



## BASKETBALL BACKBOARDS





**WARNING**

**don't be  
fooled by  
a bid price**

**The Price of a Rubber-Covered  
Ball is no proof of its Value \***

**\* here are the FACTS!**

You are not buying a sphere called a ball—  
you're buying performance—playability—wear  
—service.

**\* this is PROVED:**

100,000 U. S. Schools, Camps and Playgrounds  
continue to specify Voit because no other Rubber-  
Covered ball has ever proved itself equal to  
Voit's 150-600% longer wear.

**YES**

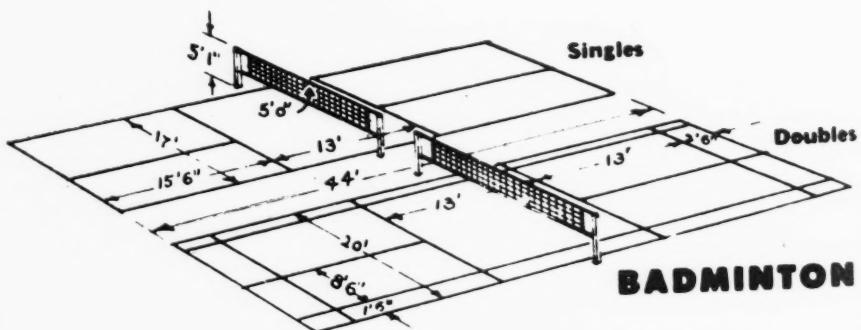
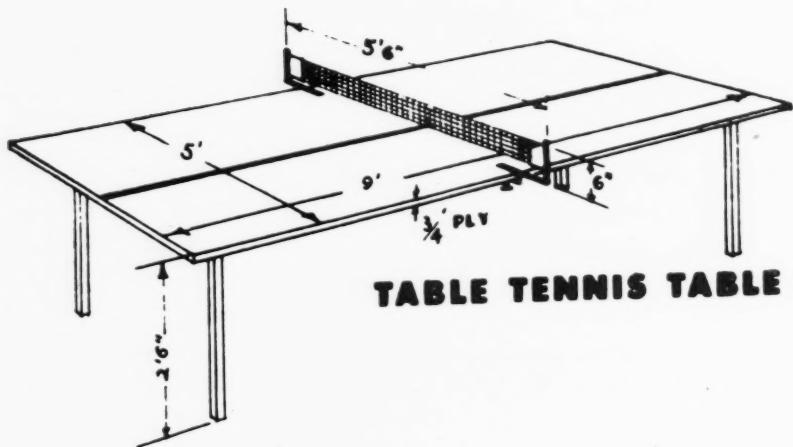
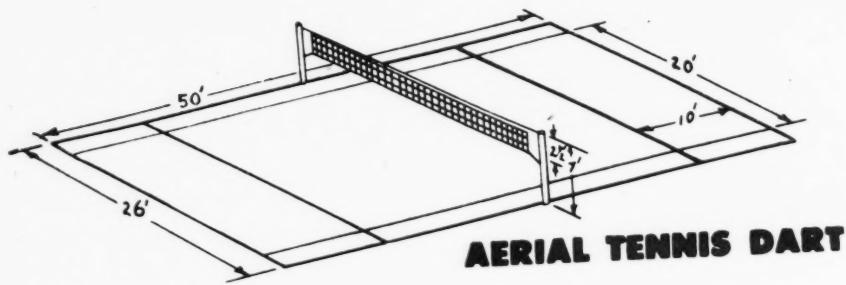
Voit would still be by far the best buy in the  
Rubber-Covered field at half again the price.

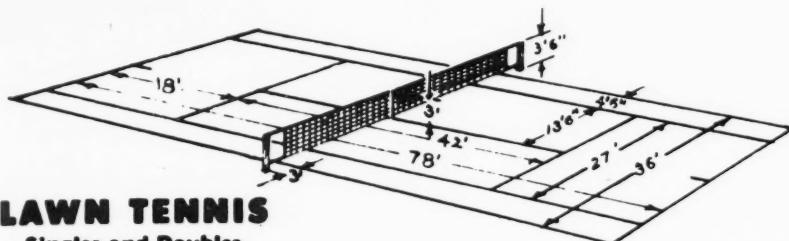
**Don't be fooled by a Bid Price  
There is no "or equal"  
to a**



**Voit**

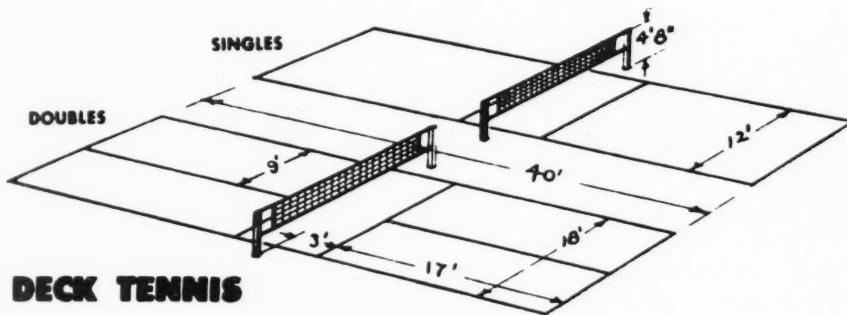
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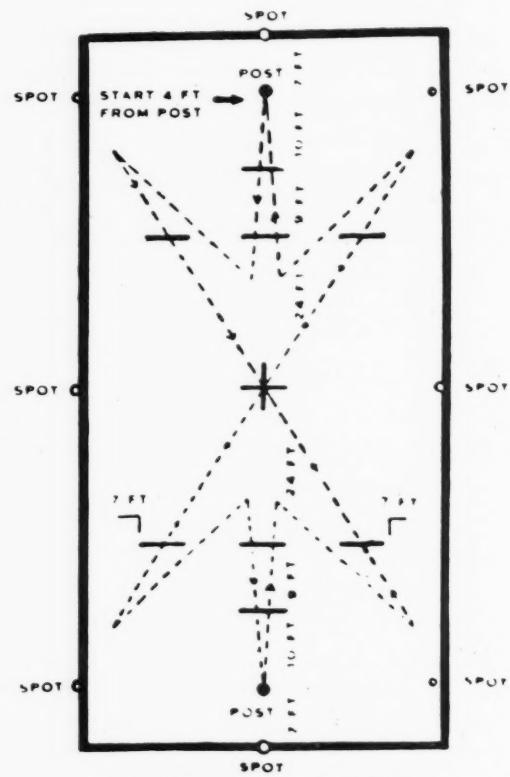
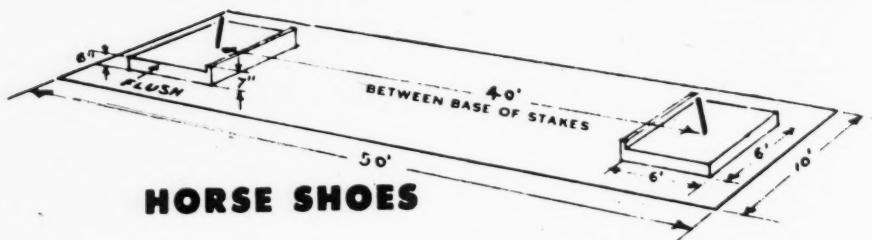
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For . . . Tennis Badminton Handball Volley Ball Basket Ball

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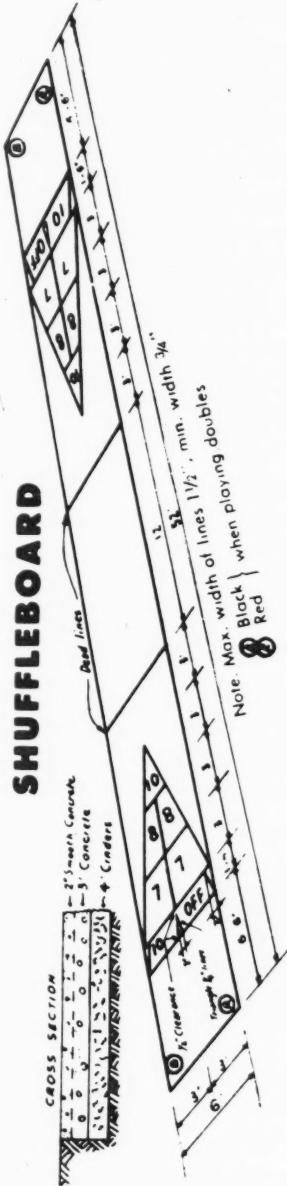
GRANVILLE  
NEW YORK



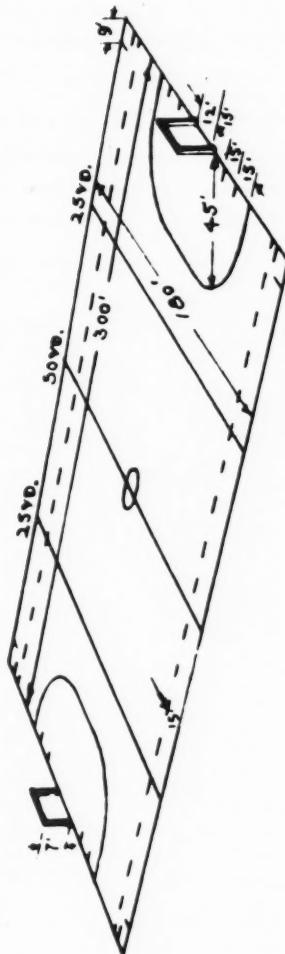
WICKETS  
7" OR LESS WIDE

DIMENSIONS  
50 x 100'

## SHUFFLEBOARD



## FIELD HOCKEY



## Archery in Camp

In laying out a target archery range, it is usually preferred to shoot north, as in that manner the sun is seldom in a position to be a disadvantage to the archer. Ranges may be located in wooded areas; however, this is not always advisable as shadows sometimes make it difficult to follow the course of an arrow in flight.

Terrain should be as level as the location will permit. Width available will determine the number of targets that can be accommodated; as safety is the first consideration, experts recommend never to place targets at distances of less than 15 feet apart on centers. Even then, careful supervision of shooting is advisable. Tapes or chalk lines may be used to indicate the various distances from targets. A clear distance behind targets

of from 10 to 20 yards is advisable; this area should be free from large stones, stumps, trees or other objects that might damage arrows which fail to hit targets.

**BOWS**—Recommended bow-woods include yew, osage orange, hickory and lemonwood, with the first two rated best. Yew has a smooth, delightful cast, and is an excellent all-around bow-wood. Osage orange is a tough, durable wood of very fast cast; it is recommended for hunting bows, although many use it on the target. Lemonwood is the commonest bow-wood; it makes an efficient and serviceable bow. Hickory makes a very durable bow and when made of well selected seasoned stock it gives good performance.

**ARROWS**—The two most commonly



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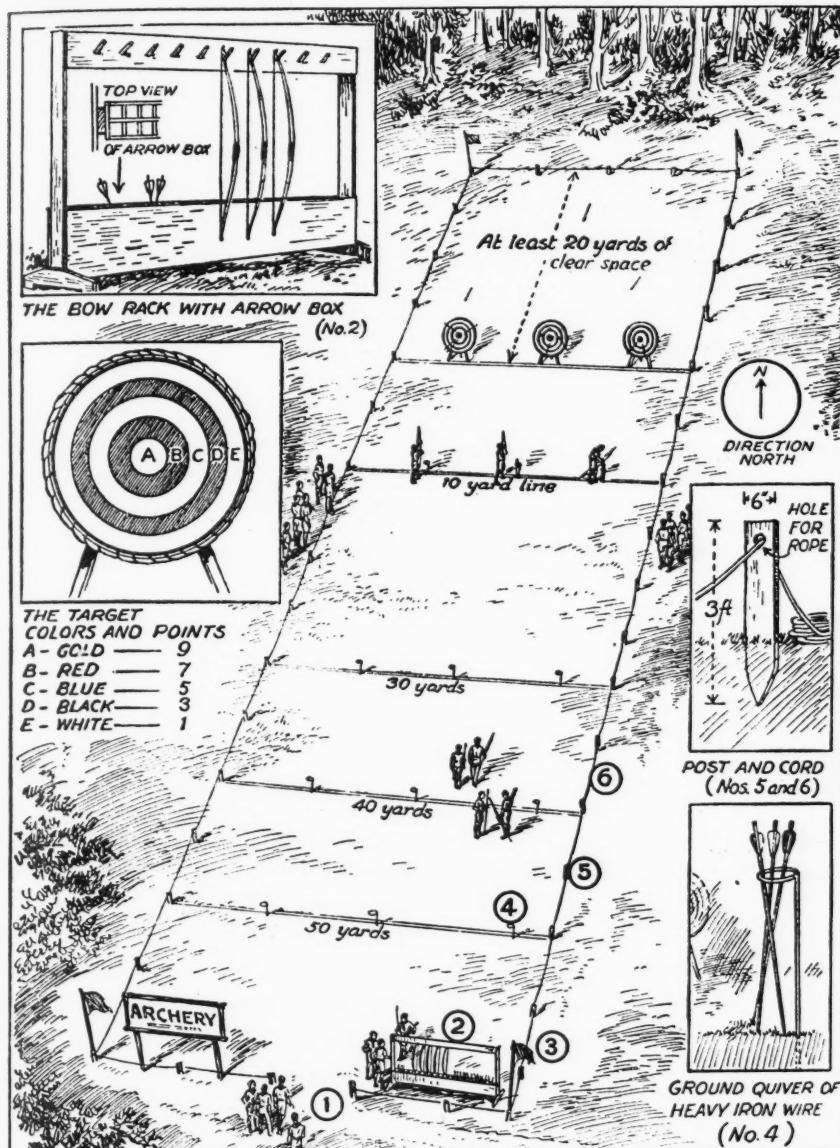
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closed Range. Note: Instruction line for beginners is 10 yards from target. Lines for more experienced archers at 30-40 and 50 yards. Direction of fire is

North as most desirable; Clear space of 20 yards back of targets with all objects removed that may break or deflect arrow.

Source: Health and Safety Magazine, B. S. of A.

used arrow woods are Port Orford Cedar and Birch. Port Orford Cedar is used because of its excellent spine and its ability to stay straight even after a great amount of shooting. Footed arrows have a piece of hardwood spliced to the foreshaft, which makes them much more durable.

Metal arrows have come into considerable use in recent years. They have the advantages of great spine and lighter weight; and the disadvantage of being somewhat difficult to straighten when bent.

**SIZE OF EQUIPMENT**—It is important that archers use arrows of correct length; length of bow used depends upon arrow length. Proper arrow length for any camper can easily be determined. Have the camper raise both arms level with his shoulders and extend them as far as possible to the side. Measure the

camper's total "spread." Then refer to the figures given below and select the length of arrow and bow which most nearly correspond to the camper's spread.

Spread Measurement	Arrow Length	Suggested Bow Length
57-59"	22-23"	not under 4' 6"
63-65"	24-25"	" " 5' 0"
69-71"	26-27"	" " 5' 6"
75-77"	28-29"	" " 5' 9"

of straw, coiled and sewn to make a durable base on which the target face is fastened.

When targets are stored, they should be protected from rats and mice, since rodents will destroy a target in a short time. Powdered sulphur sprinkled around targets offers good protection.

Target butts are made by stacking four or eight bales of straw and fastening the target face over their front. Permanent target butts should have 4x4 posts, set in the ground a foot or so, for the bales to lean against. Wires should be wrapped around all the bales and tightened with a turnbuckle to prevent arrows from passing between bales.

**ACCESSORIES** — An armguard is worn to protect the bow arm from being bruised by the bowstring. There are various types available.

A shooting glove or tab should be worn on the drawing hand for protection of the fingers.

A quiver of some type is extremely useful. For target archery, a ground quiver serves to hold the arrows in readiness and also supports the bow when you are not shooting.

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used by camps are listed in the Buying Guide beginning on page 89. Use it regularly to save time, trouble and money.

## Riflery in Camp

**DISTANCE**—Practically all organized camp firing is conducted on fifty foot ranges. This specified distance is measured from the firing point to the face of the paper target. Some camps may wish to extend their marksmanship programs by taking in firing at fifty and one hundred yards. Camps will undoubtedly find it best, however, to concentrate on shooting at the fifty-foot range.

**DIRECTION**—The direction of fire should, if possible, be north or northeast. This permits firing at any time of the day without sun shining into the eyes of shooters or range officer. It is far more important, however, that a safe backstop be located and the periods of firing adjusted to those hours when the sun will not be troublesome.

**SAFETY**—Locate the range where campers will not wander into the field of fire while engaged in other camp activities. All "blind" approaches to this field of fire should be fenced and warning signs generously distributed. When in doubt about any safety factor apply the rule of "Safety First."

**CONSTRUCTION**—Most camp directors prefer to have construction of the range fit in as closely as possible with other camp buildings. This means that in a majority of cases rustic construction of range shelter, etc., is preferred.

**EXPENSE**—Even the most elaborate range need not be expensive. Materials are fairly cheap and easily obtainable. Labor involved will probably be the largest item. Some camps have greatly reduced this item by having the range target carriers, rifle racks, etc., made as projects in woodworking or handicraft classes. The most simple range, with uncovered firing point, is quite inexpensive.

As improvements are added, such as covering firing point and target carriers, expense naturally increases. However, the trend in camps is toward this latter, more substantial construction.

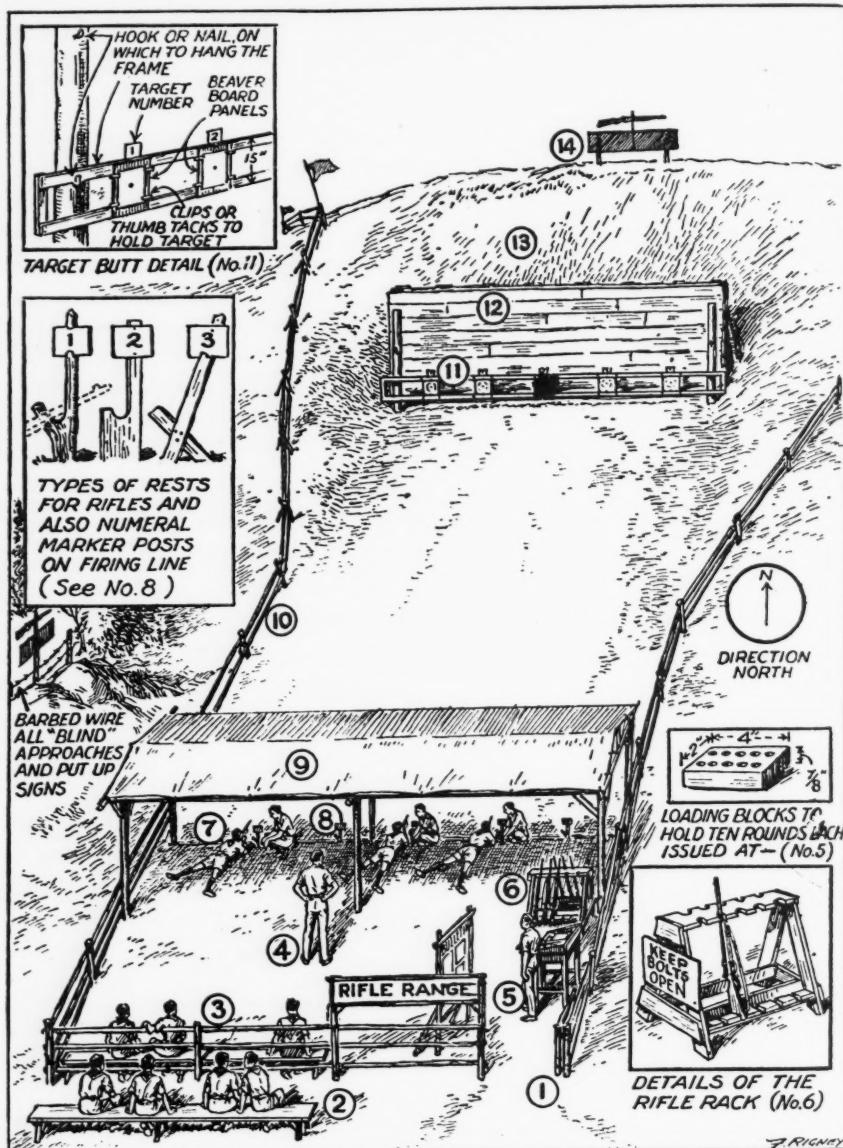
**FIRING LINE**—Firing points on an uncovered firing line are graded so that the side toward the target is raised about 10 inches and slopes back to level ground at a point six to ten feet in the rear. Firing points are designated by 2x4 inch white stakes with black numerals corresponding with target numbers. Each shooter takes his place just to the right of the stake.

The firing line should be level from one side to the other, with a minimum of five feet between firing points. It should be sodded or sown with some kind of tough grass to make it clean and comfortable.

A covered firing line carries out the same principles as the uncovered firing line, but gives greater comfort on hot, sunny days as well as permitting use of the range during light rain or showers.

**BACKSTOPS**—The only satisfactory natural backstop is a hill of fairly good size, with a crest not less than 30 feet above the level of the firing point. The hill should rise about one foot for each two feet along the horizontal. Brush which might obscure the view of campers on the firing line should be cleared away to the crest of the hill or at least 100 yards up a large hill from targets and at least 50 yards on each side of targets. A cut should be taken in the hillside behind targets to provide a perpendicular face to catch bullets and prevent ricochetting.

Do not use as backstops stone fences; stone piles; the sheer, unprotected face of a quarry; brick, stone or concrete



(1) Entrance to Range at One Point Only. (2) Waiting Bench. (3) Ready Bench. (4) Instructor. (5) Scorekeeper and His Desk. (6) Rifle Rack. (7) Pupil

and Coach. (8) Range Number Corresponding to Number on Target Rack. (9) Tarpaulin Cover for Roof. (10) Fence. (11) Target Rack. (12) Back

Stop. (13) Side Hill Back of Target. (14) Range Sign —Note Range Flag at distant left end of fence, which is raised when Range is in use.

Source: Health and Safety Magazine, B. S. of A.

walls; piles of logs or railroad ties; standing timber; or a stream or lake which is navigable within 1,500 yards of the firing line.

There are two main types of satisfactory artificial backstops. One uses metal plates as the backstop, much like the usual indoor range. The other is the earth-filled wooden crib.

The wooden crib filled with dry earth or sand is very inexpensive to construct and quite efficient. However, it does require constant attention to keep it in safe and effective condition. Wooden cribbing should be not less than ten feet high and extend six feet to the left and right of the end targets. Cribbing should contain a fill of not less than 24 inches of dry earth or sand; 36 inches would be advisable. Wet earth or sand is not at all effective for such use; avoid it. Construct the cribbing with vertical studding on the inside and horizontal planking, which is immediately behind the targets, screwed or bolted to the studding so that it may be readily removed and replaced as it is shot away. At the close of each shooting period the backstop should be inspected and earth or sand added as necessary. Every two days it should be carefully examined and any necessary repairs made.

THE TARGET BUTT most easily constructed and most efficient in use (where target carriers are not used) consists merely of posts planted in the

ground immediately in front of the backstop and about eight feet apart. Frames holding targets are hung from tenpenny nails or hooks driven into these posts. Two sets of nails should be provided on fifty foot ranges. One set should hold targets level with the eyes of the shooter of average height when in standing position, the other should hold targets slightly higher than the level of a shooter's eyes in the prone position. This latter set is also used for sitting and kneeling position.

Target frames to hold targets are easily and quickly made from one by three inch dressed material. They are about eight feet in length and about 15 inches in height. To the top of the frame fasten squares of wood or tin painted alternately black with white numerals and white with black numerals. Target numbers should be spaced at least 18 inches apart and numbered from left to right to correspond with firing point numbers. Under each numeral nail a rectangular piece of pressed wood, beaver board or such material. Targets may be easily and quickly attached by use of ordinary spring or clip clothespins.

Extreme caution should be exercised in exchanging a frame with unfired targets for one with fired targets. The firing line should be cleared of shooters before this change is made.

Source: National Rifle Association

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## Camping Bibliography

A bibliography of books reviewed in Camping Magazine during the last few years, together with other selected books.

(For additional camping book lists, readers are referred to "Annotated Bibliography on Camping," American Camping Association, Chicago, 25c; "Camping—A Bibliography," Chicago Public Library, 10c plus 3c postage; etc.)

### ADMINISTRATION

**ADMINISTRATION OF THE MODERN CAMP**, *edited by Hedley S. Dimock; published by Association Press; 1948; price \$4.00.*

Complete reference work on camp administration with Dr. Dimock as general editor and chapters written by leaders in various phases of camp planning and operation.

**AQUATIC STANDARDS FOR YMCA CAMPS**, *by Thomas Kirk Cureton and Richard H. Pohndorf; published by Association Press; price 75 cents.*

Deals with waterfront layout, administration and organization. Includes canoeing standards and tests.

**THE BOOK OF CAMPING**, *by Robert Rubin; published by Association Press, 1949; price \$2.00.*

Helpful information on practically every phase of life in camp. Includes many charts such as counselor and camper application blanks, program assignments, food charts, etc.

**CAMPS AND THEIR MODERN ADMINISTRATION**, *by Hazel K. Allen; published by Woman's Press; price \$1.50.*

Practical suggestions on business details and procedure.

**THE ESTABLISHED CAMP Book**, *published by Girl Scouts; price \$2.50.*

For the use of camp directors in securing, planning and operating a Girl Scout established camp. Site selection, layout, securing an adequate staff, food, health and safety, program, business management and public relations are discussed. Organized to show the council's camping responsibilities at each season.

**THE HANDBOOK OF DAY CAMPING**, *by Mabel Jobe, published by Association Press, 1949, price \$3.00.*

Information on how to organize a day camp; includes suggestions for complete programs, daily schedules, detailed menus, etc. Full section on staff selection and training.

**HANDBOOK OF YMCA CAMP ADMINISTRATION**, *edited by John E. Ledlie and Ralph D. Roehm, published by Association Press; 1949; price \$4.50.*

Discusses problems and opportunities of YMCA camping today. Sections on promotion and publicity, business administration, health and safety, and the camp program.

### ARTS AND CRAFTS

**AMATEUR HANDCRAFT**, *by F. Clarke Hughes; published by Bruce Publishing Co.; price \$2.50.*

Explicit directions for making numerous articles which interest young people. **APPLIED LEATHERCRAFT**, *by Chris H. Groneman; published by the Manual Arts Press; price \$3.00.*

For advanced leather workers. Contains a section on Boy Scout accessories. **BLOCK PRINTS, HOW TO MAKE THEM**, *by William S. Rice; published by Bruce Publishing Co.; price \$2.00.*

Complete information on history and practice of printing with blocks. **CREATIVE CERAMICS**, *by Katherine M. Lester; published by The Manual Arts Press; 1948; price \$3.75.*

Pictures and discusses techniques for use of clay in making a wide variety of handicraft projects.

**CREATIVE CRAFTS IN WOOD**, *by Mi-*

chael C. Dank; published by *Manual Arts Press*; 1945; price \$3.00.

Gives explicit directions and materials, technical names for tools used and many patterns.

**ELEMENTARY HANDCRAFT PROJECTS**, by D. C. Blide; published by *Pitman Publishing Corp.*; 1946; price \$1.75.

Drawings, patterns and directions for many types of handcraft activities. Includes instructions in wood working, weaving, plaster carving, plastics, etc. **EVERYBODY'S HANDICRAFT HANDBOOK**, published by *Progress Press*; 1946; price \$2.00.

Subject matter ranges from woodcarving and blockprinting to puppetry.

**THE FLAT BOW**, by W. Ben Hunt and John J. Metz, published by *Bruce Publishing Co.*, price \$0.75.

Step-by-step directions for making the American bow, bowstrings, arrows, etc. **FUN WITH SCRAPS**, by Viola Hening; published by *Bruce Publishing Co.*; price \$3.00.

Attractive and useful objects made from a wide variety of discarded materials.

**GENERAL LEATHERCRAFT**, by Raymond Cherry, *Third Edition*; published by *McKnight & McKnight Publishing Co.*; 1949; price \$1.50.

Gives a brief history of leathercraft, descriptions of various operations, and instructions for projects and articles to be made from leather.

**HANDICRAFT—SIMPLIFIED PROCEDURE AND PROJECTS**, by Lester Griswold; published by *Lester Griswold, Colorado Springs, Colo.*; price \$3.00.

Eighth edition of 512 page book by a nationally known craftwork expert. Covers leather, plastics, metals, wood, archery, fabrics, rope and cordage, pottery, weaving, stone and primitive Indian crafts.

**HANDICRAFTS OF THE SOUTHERN**

**HIGHLANDS**, by Allen H. Eaton; order through *Russell Sage Foundation*; 1937; price \$3.50.

All types of mountain handicrafts, mountain music and handmade instruments, pottery and the uses of clay.

**HANDWEAVING WITH REEDS AND FIBERS**, by Gallinger and Benson; published by *Pitman Publishing Corp.*; 1948; price \$3.00.

How to gather native materials for weaving. Contains clear cut, easily followed instructions for the beginner.

**HOW TO MAKE POTTERY AND OTHER CERAMIC WARE**, by Muriel P. Turoff; published by *Crown Publishers*; 1949; price \$2.75.

Clear and practical instructions showing how to design, make, decorate and handle articles of clay.

**LET'S MAKE A LOT OF THINGS**, by Harry Zarchy; published by Alfred A. Knopf; 1948; price \$2.50.

Useful and attractive things to be made from metal, clay and leather, and the materials and tools needed are described and illustrated.

**LET'S WHITTLE**, by Leroy Pynn, Jr.; published by *The Manual Arts Press*; price \$2.50.

Devoted almost entirely to animal subjects.

**METAL FOIL TOOLING BOOK OF DESIGNS**; published by *American Handicrafts Co., Inc.*, price \$1.50.

Contains full instructions and over 30 pages of designs.

**MODERNISTIC CHIP CARVING**, by Vic Mankin; published by *Bruce Publishing Co.*; price \$1.25.

Scores of projects to make with skew chisel or pocketknife.

**PALMETTO BRAIDING AND WEAVING**, by Viva Cooke and Julia Sampley; published by *the Manual Arts Press*; price \$2.75.

Offers suggestions for the use of many

materials other than palmetto, including other palms, yucca, rushes, cattails, grasses and corn shucks.

THINGS TO MAKE FROM ODDS AND ENDS, by Jessie Robinson; published by Appleton-Century-Crofts, Inc.; 1945; price \$2.00.

Excellent material on natural hand-craft.

USE OF NATIVE CRAFT MATERIALS, by Margaret Eberhardt Shanklin; published by The Manual Arts Press; price \$2.75.

Though straw, corn, grass and rush are considered, nearly half the book is given over to clay modeling.

WATER COLOR PAINTING IS FUN, by Frank A. Staples; published by Whittlesey House; 1948; price \$3.50.

Gives basic facts about landscape water-color painting. Information on what to paint first, colors to use, how to handle problem of perspective, etc.

WHITTLING AND WOODCARVING, by E. J. Tangerman; published by Whittlesey House; 1940; price \$4.50.

Twenty-five chapters giving complete instruction on all phases of whittling and woodcarving, by the author of the Boy Scout Merit Badge pamphlet on woodcarving.

WOOD CARVING MADE EASY, by J. I. Sowers; published by Bruce Publishing Co.; price \$1.50.

Wide variety of designs, with simplified instructions.

YOU CAN WHITTLE AND CARVE, by Franklin H. Gottshall and Amanda Hellum; published by Bruce Publishing Co.; price \$2.25.

Simple directions and graphic illustrations of whittling and carving projects.

### BUILDINGS

(See Site, Buildings and Equipment)

### CRAFTS

(See Arts and Crafts)

### CAMP CRAFT AND NATURE LORE

THE AMATEUR NATURALIST'S HANDBOOK, by Vinson Brown; published by Little, Brown & Co.; 1948; price \$3.50.

How to study animals, plants, rocks, climate, in any part of the United States. Sections on how to recognize, classify, dissect or preserve plants.

BEGINNER'S GUIDE TO WILD FLOWERS, by Ethel Hinckley Hausman; published by G. P. Putnam's Sons; price \$3.50.

Arranged to bring together in one section all flowers predominantly white, those that are yellow in another section and so on, for easy identification.

BIRDS, by Herbert S. Zim and Ira N. Gabrielson; A Golden Nature Guide; published by Simon & Schuster, Inc.; 1949; price \$1.00.

114 illustrations of birds in color. Also includes range maps and many facts about the traits and habits of birds, where and how to find them.

THE BOOK OF NATURE HOBBIES, by Ted Pettit; illustrated by Don Ross; published by Didier, Publishers; 1947; \$3.00.

The author makes the study of nature tremendously interesting. Almost every type of nature hobby is included.

BOY'S BOOK OF SNAKES, by Percy A. Morris; published by The Ronald Press Co.; 1948; price \$3.00.

A dependable guide to non-poisonous snakes and the few poisonous snakes there are in this country. The colors of each species are carefully described and their habits are fully explained.

CAMPING AND WOODCRAFT, by Horace Kephart; published by Macmillan Co.; 1923; price \$2.95.

The camper's bible. Old but excellent.

CAMPING CAN BE FUN, by Robert W. Weaver and Anthony F. Merrill; published by Harper & Bros.; price \$3.00.

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Elementary information such as how to choose a camp site, pitch a tent, select camp equipment, draw up a camp menu, build a fire, etc.

**EDIBLE WILD PLANTS**, by *Aliner Perry Medsger*; published by the *MacMillan Co.*; price \$4.00.

Classifications include fruits, nuts, seeds, salad plants, roots, flavoring, mushrooms, sugars and gums.

**FIELD BOOK OF NATURAL HISTORY**, by *E. Laurence Palmer*; published by *McGraw-Hill Book Co.*; 1949; price \$5.00.

A one volume nature encyclopedia, giving information on plants, trees, fish, birds, stars, animals, etc.

**HOW TO KNOW THE BIRDS**, by *Roger Tory Peterson*; published by *Houghton Mifflin Co.*; 1949; \$2.00.

What to look for in bird identification—the size and shape of the bird, how it acts and how it flies; where it is found and how to learn to recognize its voice.

**THE JUNIOR BOOK OF CAMPING AND WOODCRAFT**, by *Bernard S. Mason*; published by *A. S. Barnes & Co.*; 1944; price \$3.00.

Excellent book, interesting and useful to campers as well as counselors.

**NATURE QUESTS AND QUIZZES**, by *Raymond T. Fuller*; published by the *John Day Co.*, price \$1.50.

Makes a game of nature observing.

**NATURE RECREATION**, by *William G. Vinal*, published by *McGraw-Hill Book Co.*; 1940; price \$3.25.

Comprehensive discussion of leadership in the out-of-doors, conservation of our natural resources and the challenge of increased leisure time.

**NEW HANDBOOK OF THE HEAVENS**, by *Bernard, Bennett and Rice*; second edition; published by *McGraw-Hill Book Co.*; 1948; \$3.00.

An interesting guide to the study and

enjoyment of astronomy. Revised and brought up to date throughout, it covers every aspect of the subject.

**OUTDOOR ACTIVITIES FOR IN-TOWN GROUPS**, by *Margaret Chapman, Marie Gaudette, and Catherine Hammett*; published by *The Rafter Crafters*; 1948; price 50 cents.

Twenty loose-leaf sheets with drawings and suggestions for outdoor activities of all kinds. Preparations for hikes and trips, how to make your own hike kit, bringing the stars indoors, etc., are only some of the tips given.

**OUTDOORS INDOORS**, by *Reynold E. Carlson*; published by *National Recreation Association*; price 75 cents.

Good source book on nature lore.

**PROGRAM HELPS FOR CAMP LEADERS**, by *The Rafter Crafters*; published by *The Rafter Crafters*; price 50 cents.

Twenty loose-leaf sheets carry descriptive drawings and explanations of camp activities such as outdoor cooking, wood carving, transplanting a tree, etc.

**SNAKES**, by *Herbert S. Zim*; published by *William Morrow & Co., Inc.*; 1949; price \$2.00.

Everything about snakes in simple text and black and white drawings. How they bear their young, how they grow, the ways by which they move. Destroys many of the superstitions about snakes which have no basis in fact.

**TRACKS AND TRAILCRAFT**, by *Ellsworth Jaeger*; published by the *Macmillan Co.*; 1948; price \$3.95.

Excellent portrayal, by means of line drawings, of tracks, habitat and habits of North American animals.

**THE TRIP CAMP BOOK**, published by *Girl Scouts*; price 75 cents.

How to plan a trip—what food, clothing and equipment is needed. How to administer and plan a trip camp program. Many graphic illustrations.

**WAY OF THE WILDERNESS**, by *Calvin*

*Rutstrum; published by Burgess Publishing Co.; 1946; price \$2.00.*

Best book on wilderness camping to appear in many years.

*WILDWOOD WISDOM, by Ellsworth Jaeger, published by Macmillan Co.; 1945; price \$2.95.*

Written by a man with a deep understanding of nature, as well as a thorough knowledge of the out-of-doors. Sections on primitive handcrafts and outdoor carpentry and on useful plants are exceptionally valuable.

#### EQUIPMENT

(See Site, Buildings and Equipment)

#### FOOD AND FOOD PREPARATION

*CAMP COOKERY, by Horace Kephart, published by Macmillan Co.; 1934; price \$1.25.*

A perennial favorite. Excellent for advanced campers and pioneering groups. The section on cooking of game is exceptional.

*CHEF'S GUIDE TO QUANTITY COOKERY, by J. H. Breland; published by Harper & Bros.; 1947; price \$6.00.*

Gives recipes based on 25 portions. Quantities of ingredients are stated both by volume and weight.

*COOKING OUT-OF-DOORS, published by Girl Scouts; 1946; price \$1.00. (Cat. No. 20-532)*

The more than 200 recipes given here include those from other lands and different parts of the United States. Contains many illustrations and helpful tables and charts.

*FOOD COST CONTROL, by J. O. Dahl; revised edition; published by Dahl Publishing Co.; 1949; price \$1.00.*

Contains helpful hints on buying food and cutting costs. Also includes interesting charts on cooking food, with tips on how to avoid wastage.

*GROUP FEEDING, by Clifford Allen Kaiser; second edition; published by McGraw-Hill Co.; 1946; price \$7.00.*

Complete compilation of information on preparing menus and cooking and serving food for large groups.

*KITCHEN PLANNING FOR QUANTITY FOOD SERVICE, by Arthur W. Dana; published by Harper & Brothers; 1949; price \$5.00.*

Particularly good sections on storage space, equipment layout, dishwashing, seating arrangements.

#### GENERAL

*ADVENTURE INTO FRIENDSHIP, by Rodney Britten; published by Judson Press; price \$1.25.*

Camping as Christian group-living in the outdoors, is the theme of this book, which covers general administrative and daily program plans.

*AMERICAN GIRL'S OMNIBUS, by Pearl and Stanley Pashko; published by Greenberg Publishers; 1949; price \$3.00.*

A book for young girls—giving suggestions for things to make and do. Includes sports, camping and outdoor fun, water fun, hobbies, arts and crafts, etc. *A BOY GROWS UP, by Marion LeBron and Harry C. McKown; second edition; published by McGraw-Hill Book Co.; 1940; price \$3.00.*

Guide for 'teen-age boys on the problems of growing up.

*CAMPING AND OUTDOOR EDUCATION, edited by L. B. Sharp and E. DeAlton Partridge; published by National Association of Secondary School Principals; Vol. 31, No. 147; price \$1.00.*

Deals with the school's relationship to camping and outdoor education.

*EXTENDING EDUCATION THROUGH CAMPING, published by Life Camps Inc.; price \$1.75.*

A report of the school-camp experiment authorized by the Board of Education of New York City in cooperation with Life Camps Inc.

*A GIRL GROWS UP, by Ruth Fedder; second edition; published by McGraw-*

*Hill Book Co.*; 1939; price \$2.75.

Guide for 'teen-age girls to solution of adolescent difficulties and adjustments necessary to the process of growing up. *How to BUY BEDDING*, by *Grete M. Dahl*; published by *Dahl Publishing Co.*; 1949; price \$1.29.

Gives suggestions as to the purchase, use and care of mattresses, springs, pillows, sheets, blankets, pads and spreads. Excellent material on how to make mattresses last longer.

*MARKS OF GOOD CAMPING*, published for *American Camping Association* by *Association Press*; price 75 cents.

## HEALTH AND SAFETY

*POLIO AND ITS PROBLEMS*, by *Roland H. Berg*; published by *J. B. Lippincott Co.*; 1949; price \$3.00.

Discusses the cause, cure and prevention of polio as well as the obstacles still to be overcome in fighting the disease. *SUGGESTED STANDARDS FOR CAMP NURSING*, published for *American Camping Association* by the *National Organization for Public Health Nursing*; price 25 cents.

## LAND SPORTS AND GAMES

*DESIGN FOR TENNIS*, by *Mary K. Browne*; published by *A. S. Barnes & Co.*; 1949; price \$3.00.

A textbook for tennis instructors with numerous helpful pictures. Shows how to organize and teach a tennis team.

*THE GAME BOOK*, by *Margaret Mulac*; published by *Harper and Bros.*; price \$2.50.

Has all the answers to planning for recreation, games and game leadership. *GAMES AND RECREATIONAL METHODS*, by *Charles F. Smith*; published by *Dodd, Mead & Co.*; price \$3.75.

Twenty-five chapters on camping skills, games and leadership ideas.

*HONOR YOUR PARTNER*, by *Ed Durlacher* by *The Devin-Adair Co.*; 1949; price \$7.50.

Contains 81 American Square Dances

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with complete instructions for doing them. Easy-to-play music accompanies text; instructions for the caller are also given.

*PARTNER'S ALL — PLACES ALL*, by *Miriam H. Kirkell and Irma K. Schaffnit*; published by *E. P. Dutton & Co., Inc.*; 1949; price \$3.95.

44 square dances with music and calls. Contains a list of suggested programs for an evening of square dancing. *SHOOTING THE BOW*, by *Larry C. Whiffen*; published by *Bruce Publishing Co.*; price \$2.00.

Complete instructions in simple, clear and direct language, on using the bow and arrow.

*THE WAY OF THE STORYTELLER*, by *Ruth Sawyer*; published by *Viking Press*; 1942; price \$2.50.

A "must" for the storyteller.

## LEADERSHIP

THE ART OF LEADERSHIP, by *Ordway Tead*; published by McGraw-Hill Book Co.; 1935; price \$3.00.

A book on leadership techniques, qualities and methods for the entire camp personnel.

THE CAMP COUNSELOR'S MANUAL, by *John A. Ledlie and Francis W. Holbein*; published by Association Press; 1947; price 75 cents.

An excellent tool for training courses. A CAMP DIRECTOR TRAINS HIS OWN STAFF, by *Catherine T. Hammett*; published by American Camping Association; price 50 cents.

32 page booklet concerned with the ways in which a director can train his staff to do a more effective job.

CAMP LEADERSHIP COURSES FOR COLLEGES AND UNIVERSITIES, an American Camping Association workshop report; price \$1.00.

The report is intended to serve as a guide for college courses. An excellent syllabus for instructors and workbook for students.

SO YOU WANT TO BE A CAMP COUNSELOR, by *Elmer F. Ott*; published by Association Press; 1946; price 75 cents.

Many practical tips for counselors and directors who are planning their counselors' training course.

## MUSIC

THE DITTY BAG, compiled by *Janet E. Tobitt*; published by Janet E. Tobitt; 1946; 75 cents.

A group of 177 songs from some 30 different countries. Includes folk songs, hymns and carols, rounds and canons. Particularly adaptable to small groups. FIRESIDE BOOK OF FOLK SONGS, published by Simon and Schuster; price \$3.95.

Beautifully illustrated, it contains 147 of the great ballads and old favorites, sea chanties, cowboy songs, hymns, etc.

A GUIDE TO CHILDREN'S RECORDS, by *Philip Eisenberg and Hecky Krasno*; published by Crown Publishers; 1948; price \$2.00.

Lists all the available children's records and also tells what's best and why. Lists suggested records for all age levels. LET'S HAVE MUSIC, edited by *Music Committee, National Board, YWCA, Marie Oliver, Secretary*; published by Woman's Press; 1948; price 75 cents.

How to plan musical programs, "sings," and what qualities to look for in a good music leader are discussed in this book.

## NATURE

(See Campcraft and Nature Lore)  
SITE, BUILDINGS AND EQUIPMENT

BUILDING A LOG CABIN, by *Ben Hunt*; published by Bruce Publishing Co.; price \$2.75.

Tells all you need to know about building two or three room all-weather cabins, based on the author's experience. CAMPINGS, COTTAGES AND SUMMER HOMES, by *Bernard S. Mason and Frederick H. Kock*; published by A. S. Barnes & Co.; price \$3.50.

Plans are given for buildings ranging from open sided Adirondack log lean-to to a six room, two-story home.

CAMP SITE DEVELOPMENT, by *Julian H. Salomon*; published by Girl Scouts; 1948; price \$4.00.

Plans and drawings with pertinent information on all types of camp buildings. LAYOUT, BUILDING DESIGNS AND EQUIPMENT FOR YMCA CAMPS, prepared under the direction of *John Ledlie*, sponsored by Building and Furnishings Service, National Board YMCA, published by Association Press; 1946; price \$3.00.

YOUR CABIN IN THE WOODS, by *Conrad Meinecke*; published by Foster and Stewart Publishing Corp.; 1945; price \$2.50.

## WATER SPORTS AND GAMES

CANOEING—A-Z, by Ruth Elvedt; published by Burgess Publishing Co.; 1946; price \$1.50.

Forty-three mimeographed pages of instruction on canoe selection, care, repair, teaching canoeing in camp, organizing trips and meets, etc.

CANOEING STANDARDS OF ACA, published by American Camping Association; price 50 cents.

FUN IN THE WATER, by Thomas Kirk Cureton, Jr.; published by Association Press; 1949; price \$4.00.

A complete recreational guide for organized team competitions, stunts and contests in the water. Swimming instructors and waterfront counselors will find this book invaluable.

## WORSHIP

ALL IN THE DAY'S WORK, prepared and edited by Erma Paul Ferrari and Elsie P. Kappan; published by Judson Press; 1949; price \$1.25.

Gives a complete program for group gatherings at camp for other retreats for fellowship. Would be of probable interest to group leaders as a general plan.

ON THE BEAM, published by the Toronto YMCA; price 50 cents.

Devotional and inspirational stories for boys from 12 to 15 years of age. Sixty-six stories written by 35 outstanding writers for boys.

SERVICES FOR THE OPEN, by Laura I. Mattoon and Helen D. Bragdon; published by Association Press; price \$2.50.

Fine and usable book of camp services, poems and hymns.

SMALL RAIN, Jessie Orton Jones; published by Viking Press; 1943; price \$2.00.

Verses for worship service and cabin devotions.

WE WORK WITH GOD, by Caroline C. Pineo, Lois Blankenship, and Martha

J. Whitmore; published by Judson Press; 1949; price \$1.25.

This booklet contains a complete program with a religious background for a two week camp for Juniors. It tells how religion should be fitted into the daily camp program.

## PUBLISHERS ADDRESSES

American Camping Association, 343 South Dearborn St., Chicago 4.

American Handicrafts Co., Inc., 45 S. Harrison St., E. Orange, N. J.

Appleton-Century-Crofts, Inc., 35 West 32nd St., New York City.

Association Press, 291 Broadway, N. Y. A. S. Barnes & Co., 67 West 44th St., New York City.

Charles A. Bennett Co., Inc., 237 No. Monroe, Peoria 3, Ill.

The Bruce Publishing Co., 540 N. Milwaukee St., Milwaukee 1.

Burgess Publishing Co., 426 S. 6th St., Minneapolis 15.

Camp Publications, 6 High St., Bar Harbor, Me. (Mimeographed leaflets on many camp subjects.)

Crown Publishers, 419 Fourth Ave., New York City 16.

Dahl Publishing Co., 74 West Park Place, Stamford, Conn.

The John Day Co., 62 West 45th St., New York City 19.

The Devin-Adair Co., 23 East 26th St., New York City 10.

Didier, Publishers, 660 Madison Ave., New York City 21.

Dodd, Mead & Co., 432 Fourth Ave., New York City 16.

E. P. Dutton & Co., Inc., 300 Fourth Ave., New York City 10.

Foster & Stewart Publishing Corp., 210 Ellicott St., Buffalo 3, N. Y.

Girl Scouts, 155 E. 44th St., New York Greenberg, Publishers, 201 E. 57th St., New York City 22.

Harper & Brothers, 49 West 33rd St., New York City 16.

Houghton Mifflin Co., 2 Park St., Boston 7.

The Judson Press, 1703 Chestnut St., Philadelphia 3.

Alfred A. Knopf, 501 Madison Ave., New York City.

Life Camps, Inc., 369 Lexington Ave., New York City 17.

J. B. Lippincott Co., 227 South 6th St., Philadelphia 5.

Little, Brown & Co., 34 Beacon St., Boston 6.

McGraw-Hill Book Co., 330 W. 42nd St., New York City 18.

McKnight & McKnight Publishing Co., 109 W. Market St., Bloomington, Ill.

The Macmillan Co., 60—5th Ave., New York City 11.

The Manual Arts Press—(See Chas. A. Bennett Co., Inc.)

William Morrow & Co., Inc., 425 Fourth Ave., New York City 16.

National Assn. of Secondary School Principals, 1201 16th St., N. W., Washington, D. C.

National Organization for Public Health Nursing, 1790 Broadway, New York City 19.

National Recreation Assn., 315 Fourth Ave., New York City 10.

Pitman Publishing Corp., 2 West 45th St., New York City 19.

Progress Press, 2153 Florida Ave., Washington 8, D. C.

G. P. Putnam's Sons, 2 West 45th St., New York City 19.

Rafter Crafters, P. O. Box 97, Pleasantville, N. Y.

Rohm & Haas Co., 222 W. Washington Square, Philadelphia 5.

The Ronald Press Co., 15 E. 26th St., New York City.

Russell Sage Foundation, 130 E. 22nd St., New York City 10.

Simon & Schuster, Rockefeller Center, New York City 20.

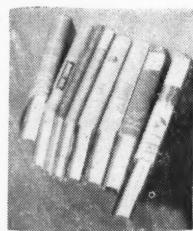
Janet E. Tobitt, 228 E. 43rd St., New York City 17.

Toronto Y. M. C. A., 36 College St., Toronto, Ont., Canada

Viking Press, 18 E. 48th St., New York City.

Whittlesey House, 330 West 42nd St., New York City 18.

Woman's Press, 600 Lexington Ave., New York City 22.



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Free information on camping equipment, supplies and methods has been prepared by many manufacturers and supply houses serving camps. On this and following pages we present brief information on many of these. Use the handy coupons on pages 85 and 87 to obtain additional free information on products useful in your camp.

**HB-1.** T-shirts, sweatshirts and pennants with camp emblems flock-embossed in bright colors, are described and pictured in a free illustrated catalog available from Velva Sheen Mfg. Co., 615 W. McMicken Ave., Cincinnati 14, Ohio.

**HB-2.** Protection of campers against losses due to accident or illness, through means of insurance covering either the entire season or a selected part is described in a six-page folder offered by Brotherhood Mutual Life Insurance Co., 634 West Wayne, Fort Wayne, Ind.

**HB-3.** A camp outfitting service, said to have been designated "official" by more than 300 camps for boys and girls, is available from Macy's, Herald Square, New York City 1, who will be glad to supply information to interested camp directors.

**HB-4.** A complete check-list of camp food and sanitation products offered by John Sexton & Co., P. O. Box JS, Chicago 90, Ill., is given in a handy, pocket-sized purchasing guide, available without charge.

**HB-5.** Slicing machines and choppers, designed to simplify meat preparation in camp kitchens, are the subject of descriptive information available from General Slicing Machine Co., Inc., Walden, N. Y.

**HB-6.** Chlorine products for purification of drinking water and swimming-pool water, and elimination of bacterial contamination in wastes, are described and

prices given in literature prepared by John Wiley Jones Co., Caledonia, N. Y.

**HB-7.** Dust control on play fields, camping grounds and roadways is the subject of a new booklet published by Solvay Sales Div., Allied Chemical & Dye Corp., 43 Exchange Pl., New York City 5.

**HB-8.** A confidential service on camp sales, partnerships and financing is offered by Peck-Kerron Co., 11 West 42nd St., New York City 18, who will send full information to interested parties.

**HB-9.** Sound motion pictures for camp are covered in a catalog offered by Cosmopolitan Films, 3248 Gratiot Ave., Detroit 7. Included are listing of over 250 features and 2,000 shorts of all descriptions.

**HB-10.** Camp advertising in a publication said to reach more than 1,200,000 families, is offered by Parents Magazine, 52 Vanderbilt Ave., New York City 17, who will send rates and full details on request.

**HB-11.** Woven name tapes for attaching to campers' garments either by sewing or with permanent cement are the subject of descriptive literature available from Cash's, South Norwalk, Conn.

**HB-12.** Camp insurance against such risks as accident, epidemic, etc., including medical reimbursement and tuition refund policies, is available from Vermont Accident Insurance Co., Rutland, Vt., who will be glad to send camp directors information on the various plans offered.

**HB-13.** Service in buying or selling camps or camp sites is offered by National Bureau of Private Schools, 533 Fifth Ave., New York City, who will be glad to send interested camp executives full information concerning their plan of operation.

**HB-14.** Fiber brooms and brushes for every camp use, including a new specially designed fire-fighting broom, are pictured and described in literature available from Perfex, Brooklyn 8, N. Y.

**HB-15.** Free samples and literature describing its log-cabin seal and finish, designed to preserve wood while retaining its natural color, will be sent to camp buyers on request by Philip J. Harvey, Inc., Detroit 26.

**HB-16.** Insect and pest control by means of fogging equipment designed to eliminate harmful insects from an entire camp area is the subject of a new circular prepared by Todd Shipyards Corp.,

Combustion Equipment Div., 81-16 45th Ave., Elmhurst, Queens, N. Y.

**HB-17.** Diving platforms and floating docks of airtight, welded-steel construction available from Eastern Cabinet Works, 3456 E. Jefferson, Detroit 7, are the subject of descriptive information prepared for camp officials by the manufacturer.

**HB-18.** Waterfront equipment of a wide variety of types, including steel piers, diving boards, floats, checking pins and tags, etc., is pictured and described in a new catalog published by Adolph Kiefer & Co., 765 W. Lexington St., Chicago 7.

**HB-19.** Canoes, rowboats and sailboats, built to withstand constant use by camp youngsters and to offer the maximum in safety, are the subject of a free catalog compiled by Old Town Canoe Co., Old Town, Maine, and available to camp waterfront people.

**HB-20.** Pfleuger fishing reels, designed

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to offer campers the maximum in skillful fishing and representing an item which should be popular in camp stores and trading posts, are described in literature available from The Enterprise Mfg. Co., Akron, Ohio.

**HB-21.** Handicraft supplies for practically every type of work which will be encountered in the camp craft shop are listed and briefly described in the current catalog of Burgess Handicraft Stores, 180 N. Wabash Ave., Chicago.

**HB-22.** Camp boats, made of stainless steel and galvanneal and said to be light, durable and unsinkable while still low in price, are being produced by Regal Products, Ltd., Adams, Wis., who will be glad to send full information to camp directors on request.

**HB-23.** A free craft catalog, picturing and describing a wide variety of articles which can be made by campers from leather, has been prepared by J. C. Larson Co., 820 S. Tripp Ave., Chicago 24.

**HB-24.** Reflector ovens, designed to make it possible for campers to bake over an open fire pies, biscuits, cookies, etc., are described and pictured in a catalog sheet available from the manufacturer, Lindstaedt & King, P. O. Box 118, San Anselmo, Calif.

**HB-25.** Many new items for camp handicraft projects are described and pictured in the new 68-page catalog, designated No. 16, prepared for camp people by Osborn Bros., 225 W. Jackson Blvd., Chicago 16.

**HB-26.** Dishwashing machines for every camp use, including two newly developed models, are the subject of literature prepared by The Jackson Dishwasher Co., and available to camp buyers from Dept. CA, 3703 E. 93rd St., Cleveland 5.

**HB-27.** Leathercraft kits consisting of a wide variety of partially fabricated items ready for assembling and finishing by campers are described, pictured and priced in a 16-page catalog available from Robert J. Golka Co., Dept. C, Brockton, Mass.

**HB-28.** Ready-to-use mixes for pancakes, muffins, cakes, buns and other baked goods intended to simplify all baking problems in the camp kitchen, are described in literature prepared by

Doughnut Corp. of America, 393 7th Ave., New York City 1.

**HB-29.** Hand-weaving as a camp craft is made easy with table-model looms manufactured by Lily Mills Co., Shelby, N. C.; full information on the equipment, together with instructions for its use, is available in literature prepared by this company.

**HB-30.** Toebe Leathercraft Co., 149 North 3rd St., Philadelphia 6, has made available to camp leaders a complete folder on leathers and supplies. Included are leathercraft kits, tools, lacings, accessories and instruction book, with descriptions, prices and instructions for ordering.

**HB-31.** Chinese foods of several types, put up in large-size containers for economical use by camps, are offered by Chin & Lee Co., 123 Bank St., New York City to camp directors who wish to spice their menus by adding the unusual; descriptions of products and prices are available for the asking.

**HB-32.** Food service equipment for camp kitchens and dining rooms, designed and installed to meet the particular requirements of each individual camp, is offered by Paul S. Jones, Inc., 147 W. 22nd St., New York City 11, who will be glad to supply complete information to camp directors interested in improving their food service.

**HB-33.** Craft molding and coloring kits, featuring flexible rubber molds and paints for making life-like figurines, are illustrated and described in a new free catalog offered by Bersted's Hobby-Craft, Inc., Monmouth, Ill.

**HB-34.** All basic crafts for camps are said to be described in the new, free 80-page catalog and craft guide prepared for camp directors and counselors by American Handicrafts Co., Inc., 54 S. Harrison St., East Orange, N. J. Special craft courses in New York City for camp counselors are also offered by this company beginning March, 1950; full information will be sent on request.

**HB-35.** Balls for all camp games, including basketball, soccer, volley ball, softball, and tetherball, are illustrated and described in the new Athletic Equipment Catalog published by W. J. Voit Rubber Corp., New York 10, Chicago 6 and Los Angeles 11.

**HB-36.** Camp court surfacing material said to be dustless, glareless, economical and easily applied and fast drying is manufactured by Simcote Products Co., Granville, N. Y., who will send interested camp directors information on use of the material on tennis, badminton, handball, volleyball, basketball and other courts.

**HB-37.** Cloth name tapes, designed to be easily and permanently pressed on to garments without sewing, are being produced by M. D. Laboratory Products Co., P. O. Box 169, Evanston, Ill. Information concerning a profit-sharing arrangement available to camp directors will be sent on request.

**HB-38.** A complete line of archery tackle for camp use is being manufactured by Indian Archery & Toy Corp., Evansville, Ind., whose catalog No. 111 will be sent to camp officials on request.

**HB-39.** Ready-mixed bases for cold and hot beverages, soups, desserts and other similar foods are covered by literature and complimentary samples offered to camp directors, dieticians, etc., by Hilker and Bletsch Co., 614 W. Hubbard St., Chicago 10.

**HB-40.** A new camp clothing department, ready to serve camp directors as official outfitters, has been opened by Saks Fifth Ave., 611 Fifth Ave., New York City 22. Interested camp directors may obtain full information by contacting the Campers Shop at the above address.

**HB-41.** Helpful program materials, including books, pamphlets and leaflets, prepared especially for camp directors and their staffs, are described in a new brochure available from The Judson Press, 1703 Chestnut St., Philadelphia 3.

**HB-42.** Camp uniforms, in many lively

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styles and colors and in sizes to fit girl campers of all ages, are the subject of a new illustrated 1950 Camp Uniform Handbook containing actual fabric samples and prices; copies may be obtained from E. R. Moore Co., Chicago 13, New York City 18, or Los Angeles 36.

**HB-43. Aluminum canoes**, their characteristics, specifications and advantages, together with prices, are described in a 10-page leaflet prepared by the manufacturers, Grumman Aircraft Engineering Corp., Bethpage, L. I., N. Y.

**HB-44. Top quality pancakes** and other excellent camp foods made with Pillsbury prepared mixes are the subject of literature available from Pillsbury Mills, Inc., Minneapolis 2, Minn.; included also are details of a special money-back trial-order offer.

**HB-45. Camp boats** of a new type designed with primary attention to safety, durability and minimum maintenance, are being introduced by Water Safety Co., Ampere, N. J. Known as Saftiskiffs, the new craft feature greatly increased buoyancy and bright colors which make them visible at considerable distances. Full information concerning the boats and their advantages is available on request.

**HB-46. Wilderness tents**, for comfortable camping anywhere, and Boat-Koats, for protection from wind and rain while canoeing, fishing, etc., are the subject of descriptive leaflets offered camp executives and staff members by the manufacturers, Barnard Guards, 2183 Hendon Ave., St. Paul 8, Minn.

**HB-47. Chlorinating equipment** for safeguarding camp water supplies, types available and how to choose the right type for your camp, are covered in information prepared for distribution by % Proportioneers, Inc. %, Providence 1, R. I.

**HB-48. Equipment** and supplies for camps of all kinds, ranging from beds and boats to kitchen equipment and paper products, are listed and pictured in the new catalog of Sanitary Supply and Specialty Co.

**HB-49. Craft supplies** for camp projects of all types are the subject of a new Craft Supply Catalog issued by Universal Handicrafts Service, Inc., 1267 Sixth Ave., New York City 19. Available free to camp directors, head craft counselors.

**HB-50. Diving boards**, floats and other waterfront equipment for camps are pictured and described in catalog No. 49 issued by Hussey Mfg. Co., Inc., Railroad St., North Berwick, Me.

**HB-51. Free samples** of dishwashing compounds, in two types designed for machine and hand use, are available to camp executives on request from the manufacturers, Richmond Oil, Soap & Chemical Co., 1041 Frankford Ave., Philadelphia 25.

**HB-52. Leather**, leather-working tools and accessories and instruction books are cataloged and described in a new publication offered by Chas. A. Toebe Leather Co., 40 N. Third St., Philadelphia 6.

**HB-53. Camp sports garments** with camp emblem and camper's first name affixed, are described and pictured in a new free catalog offered by the manufacturers, Nat J. Sand Co., Inc., 771 S. Front St., Columbus 6, Ohio.

### ACA Publications Available

ACA—What Is It.....	Free
Camp Director Trains His Staff..	0.50
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Day Camping Today.....	0.20
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Camp Leadership Courses for Colleges and Universities.....	1.00
Post War Camp Building.....	0.10
Revised Annotated Bibliography.	0.25
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The Place of the Organized Camp in the Field of Education.	0.25
Who Plans the Camp Program?.Free and others	

Please send check or stamps, plus postage, with orders to American Camping Assn., 343 S. Dearborn St., Chicago 4. Quantity prices quoted on application.

# **BUYING GUIDE SECTION**

---

**Product Listings . . . pages 90 to 106**  
**Alphabetical Listing of Suppliers**  
**and Advertisers . . . pages 107 to 114**

---

These listings cover every product you need to run your camp safely and efficiently. Make full use of them!

## Camp Director's Buying Guide

A handy, convenient, time saving list of sources of equipment, supplies and services used by camps.

### ADVERTISING MATERIALS

See Post Cards; Trophies and Mementos

Bersted's Hobby Craft, Inc.

Block Artists' Materials Co.

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"The Big Camp Catalogue in Handy Packet Form"

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### ADVERTISING, PUBLICATION

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New York Herald Tribune  
The New York Times  
Parents Magazine  
Redbook Magazine

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Campus Sporting Goods Co.  
Craft Service  
Game-Time, Inc.  
Gassman's Archery Center  
Hobby King Handicraft Supply  
Indian Archery & Toy Corp.  
Indianhead Archery Mfg. Co.  
Ben Pearson Co.  
Sanco Equipment Co.  
L. E. Stemmler Co.

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340 Amsterdam Ave., New York 24, N. Y.  
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Arthur Brown & Bro.

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### Addresses

of all suppliers will be found beginning on page 107.

\*\*\*\*\*

See Index Beginning Page 107

Cove Creek Industries, Inc.  
 Craft Service  
 Crafts Center  
 Donjer Products  
 Dwinnell Craft Shop

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 Block Printing • Belt Craft  
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American Camping Association  
The Arts Cooperative Service, Inc.  
Camp Archery Association of the U. S.  
The National Foundation for Infantile Paralysis, Inc.

National Recreation Association  
National Rifle Association

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See Trophies and Mementos

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F. R. Plumb, Inc.

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Sanco Equipment Co.

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Alex Taylor & Co.

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Wright & Ditson

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#### BALLS

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#### BANNERS

See Trophies and Mementos

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R. Mars . . . The Contract Co.

Henry Modell & Co., Inc.

Outdoor Supply Co., Inc.

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See Index Beginning Page 107

J. J. Enright  
 Haggard & Marcusson  
 R. Mars . . . The Contract Co.  
 Henry Modell & Co., Inc.  
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 Rockaway Sales Co.  
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 Association Press  
 Chas. A. Bennett Co., Inc.  
 Burgess Publishing Co.  
 Bloch Publishing Co.  
 Irving Caesar (Music)  
 Camp Publications (Pamphlets)  
 Dahl Publishing Co.  
 The Devin-Adair Co.  
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 The Judson Press

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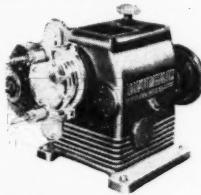
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 Dwinnell Craft Shop  
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 Fun With Felt Corp.  
 The Guildcraft Co.  
 Hobby Haven, Inc.  
 Hobby King Handicraft Supply  
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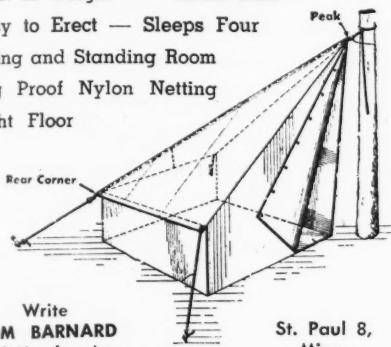
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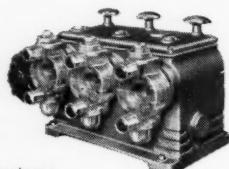
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Suppliers located through the Buying Guide Section, pages 90 to 106, may be contacted at the addresses listed below. Advertisers in this issue are listed in bold face.

### A

Abalene Exterminating Co. of Mass., 234 Tyler St., Pittsfield, Mass.  
 Abalene Pest Control Service, Inc., 799 Broadway, New York 3, N. Y.  
**Ackley Equipment Co.**, 418 W. 49th St., New York 19, N. Y. (See page 98)  
 Active Fire Extinguisher Co., 88 Park Pl., New York, N. Y.  
 Adresso Sales Co., 1409 S. E. 6th St., Minneapolis 14, Minn.  
 Aeroil Products Co., Inc., Wesley St., South Hackensack, N. J.  
 Airline Foods Corp., Greenwich & N. Moore Sts., New York 13, N. Y.  
 Alan-Clarke Co., 96 Chambers St., New York 7, N. Y.  
 Allied Mfg., Inc., 5715 Walworth Ave., Cleveland 2, Ohio  
 All Vermont Exterminating Co., Inc., 8 N. Winooski Ave., Burlington, Vt.  
 Aluminum Cooking Utensil Co., 4804 Wear-Ever Bldg., New Kensington, Pa.  
 American Association for Health, Physical Education & Recreation, 1201 16th St., N. W., Washington 6, D. C.  
 American Camping Association, 343 S. Dearborn St., Chicago 4, Ill.  
 American Dry Milk Institute, Inc., 221 N. LaSalle St., Chicago, Ill.  
 American Flag & Banner Co., 127 N. Dearborn St., Chicago 2, Ill.  
**American Handicrafts Co., Inc.**, 45-49 S. Harrison St., East Orange, N. J. (See page 59)  
 American Lace Paper Co., 4425 N. Port Washington Ave., Milwaukee 12, Wisc.  
 American-La-France-Foamite Corp., 100 E. LaFrance St., Elmira, N. Y.  
 American Paper Goods Co., Kensington, Conn.  
**American Playground Device Co.**, 1801-31 S. Jackson St., Anderson, Ind. (See page 106)  
 American Restaurant Supply Corp., 90 5th Ave., New York 11, N. Y.  
 American School Supply Co., 360 Glenwood Ave., East Orange, N. J.  
 American Stove Co., 1641 S. Kingshighway, St. Louis 10, Mo.  
 American Surgical Supply & Equip. Co., 1715 Barnum Ave., Bridgeport, Conn.

Ampro Corp., 2835 N. Western Ave., Chicago 18, Ill.

**Anchor Equipment Co., Inc.**, 14 Cooper Sq., New York 3, N. Y. (See page 96)  
 Anchor Hocking Glass Corp., Lancaster, Pa.

Anchor Webbing Co., P. O. Box 1624, Providence, R. I.

Applied Plastics Div., Keystone Brass Works, Erie, Pa.

Arlen Trophy Co., Inc., 42 W. 28th St., New York 1, N. Y.

Armour & Co., 4301 S. Racine Ave., Chicago 9, Ill.

**Art in Leather**, 411 Joseph Ave., Rochester 5, N. Y. (See page 99)

Artercraft Leather of Calif., 271 12th St., Oakland 7, Calif.

**The Arts Cooperative Service, Inc.**, 240 Amsterdam Ave., New York 24, N. Y. (See page 90)

Artvue Post Card Co., 225 5th Ave., New York 10, N. Y. (See pages 90 and 103)

Association Films, Inc., 35 W. 45th St., New York 19, N. Y. (See page 102)

Association Press, 291 Broadway, New York 7, N. Y.

Atlantic Restaurant Equipment Corp., 20 Astor Pl., New York 3, N. Y.

Award Incentives, 160 Broadway, New York 7, N. Y.

### B

**Barnard Guards**, 2183 Hendon Ave., St. Paul 8, Minn. (See pages 101 and 105)

Barnett Canvas Goods & Bag Co., 131 Arch St., Philadelphia 6, Pa.

Barth Equipment Co., Inc., 392 4th Ave., New York 16, N. Y.

Bauer & Black, 2500 S. Dearborn St., Chicago 16, Ill.

Baxter Co., 319 N. Robinson, Oklahoma City, Okla.

Kenneth John Beebe, 30 Rockefeller Plaza, New York, N. Y.

**Bell Ceramics, Inc.**, 21 Midland Ave., Montclair, N. J. (See page 94)

Bell & Howell Co., 7100 McCormick Rd., Chicago 45, Ill.

Charles A. Bennett Co., Inc., Peoria 3, Ill.

Bernard Food Industries, Inc., 559 W. Fulton St., Chicago 6, Ill.

**Bersted's Hobby Craft, Inc.,** W. 10th Ave., Monmouth, Ill. (See page 58)

**Bestex Cotton Products Co.,** 1605 Lafayette Blvd., West., Detroit 16, Mich.

**G. S. Blakeslee & Co.,** 1844 S. 52nd Ave., Cicero 50, Ill.

**Bloch Publishing Co.,** New York, N. Y.

**Block Artists' Materials Co.,** 72 Weybosset St., Providence 3, R. I. (See page 90)

**The G. S. Blodgett Co., Inc.,** 50 Lakeside Ave., Burlington, Vt.

**Blue Moon Foods, Inc.,** Thorp, Wis.

**Boonton Molding Co.,** 40 Thomason St., Boonton, N. J.

**Boston Drinking Cup Co.,** 297 High St., Dedham, Mass.

**The Boyle-Midway Co.,** 257 Cornetison Ave., Jersey City 2, N. J.

**Stanley Bowmar Co.,** 2067 Broadway, New York 23, N. Y.

**Bradley Washfountain Co.,** 2203 W. Michigan St., Milwaukee 1, Wis.

**Braun Lumber Co.,** 1555-81 E. Davison Ave., Detroit 3, Mich.

**James W. Brine Co., Inc.,** 92 Summer St., Boston 10, Mass.

**Brotherhood Mutual Life Insurance Co.,** 634 West Wayne, Fort Wayne 2, Ind. (See page 3)

**Arthur Brown & Bro., Inc.,** 67 W. 44th St., New York 18, N. Y.

**The Brownlee Co.,** 10156 W. Jefferson, Detroit 18, Mich.

**Bryant Electric Co.,** Hemo Plastics Div., Bridgeport, Conn.

**Burgess Handicraft Stores,** 182 N. Wabash Ave., Chicago 1, Ill. (See page 50)

**Burgess Publishing Co.,** 426 S. 6th St., Minneapolis 15, Minn.

**Butterfly Art Jewelry,** 289 E. 98th St., Brooklyn 12, N. Y.

C

**C-O Two Fire Equipment Co.,** Newark 1, N. J.

**CVH Laboratories Co.,** 396 Coit St., Irvington, N. J. (See page 90)

**Irving Caesar,** 1619 Broadway, New York 19, N. Y.

**Camp Apparel Production Co.,** Box 365, Times Square Station, New York, N. Y.

**Camp Archery Assoc. of the U. S.,** 200 Coligni Ave., New Rochelle, N. Y.

**Campbell Sales Co.,** 100 Market St., Camden, N. J.

**The Camp Brokerage Co.,** 80 John St., New York 7, N. Y.

**Camp Chemical Co., Inc.,** 1560 62nd St., Brooklyn 19, N. Y. (See pages 95, 96 and 98)

**Camp & Campus Recordings,** 644 Riverside Dr., New York 31, N. Y.

**Camp Publications,** Bar Harbor, Me.

**The Camp Shop, Inc.,** 562 5th Ave., New York 19, N. Y.

**Campus Sporting Goods Co.,** 320 Broadway, New York, N. Y.

**Canvas Specialty Mfg. Co.,** 511 E. 7th St., Los Angeles 14, Calif.

**Carbolineum Wood Preserving Co.,** 528 W. Highland Ave., Milwaukee 3, Wis.

**Carlo Label Co.,** 37 W. 20th St., New York 11, N. Y.

**Carson, Pirie, Scott & Co.,** 1 S. State St., Chicago, Ill.

**J & J Cash,** 26 Camp St., South Norwalk, Conn. (See page 29)

**Castello Fencing Equipment Co., Inc.,** 232 E. 9th St., New York 3, N. Y.

**Champion Dishwashing Machine Co.,** Erie, Pa.

**Champion Knitwear Co., Inc.,** 71-77 St. Paul St., Rochester 4, N. Y.

**Chin & Lee Co.,** 123 Bank St., New York, N. Y. (See page 15)

**Choldun Mfg. Corp.,** 20 W. 43rd St., New York 18, N. Y.

**Cleveland Crafts Co.,** 770-774 Carnegie Ave., Cleveland, Ohio. (See page 90)

**The Cleveland Range Co.,** 3333 Lakeside Ave., Cleveland 14, Ohio

**Coating Materials Laboratory,** 691 Main St., Belleville, N. J.

**Coco Cola Co.,** Atlanta, Ga.

**Collegiate Pennant Corp.,** 70 W. Houston St., New York 12, N. Y.

**Colt's Mfg. Co.,** 17 Van Dyke Ave., Hartford 15, Conn.

**J. J. Connolly,** 181 William St., New York 7, N. Y.

**Continental Can Co., Inc.,** Paper Div., 100 E. 42nd St., New York 17, N. Y.

**Continental Casualty Co.,** 310 S. Michigan Ave., Chicago 4, Ill.

**Continental Coffee Co.,** 375 W. Ontario St., Chicago 90, Ill.

**Coronet Instructional Films,** Coronet Bldg., Chicago 1, Ill.

**Cosmopolitan Films,** 3248 Gratiot Ave., Detroit 7, Mich. (See page 26)

**Cosmopolitan Magazine,** 57th St. at 8th Ave., New York 19, N. Y.

**Country Properties, Inc.,** Laconia, N. H.

**Cove Creek Industries, Inc.,** Box 68, Covesville, Va.

Craft Service, 337 University Ave., Rochester 7, N. Y.  
 Crafts Center, Salisbury, Vt.  
 Cupples-Hesse Corp., 4175 Kingshighway Blvd., St. Louis 15, Mo.

**D**

Dahl Publishing Co., 74 W. Park Pl., Stamford, Conn.  
 The Davner Corp., Factory St., Boone, Ia.  
 Davoe & Raynolds Co., Inc., 789 First Ave., New York 17, N. Y.  
 Dearborn Leather Co., 8625 Linwood, Detroit, Mich.  
 Dell Products Corp., 58 Union St., Newark 5, N. J.  
 The Deming Co., 501 Broadway, Salem, Ohio  
 Detroit-Michigan Stove Co., Detroit 31, Mich.  
 Devin-Adair Co., 23 E. 26th St., New York 10, N. Y.  
 Devine Foods, Inc., 1500 South Western Ave., Chicago 8, Ill.  
 Diamond Brand Canvas Products Co., 10-57 Jackson Ave., Long Island City 1, N. Y.  
 Ditto, Inc., 2248 W. Harrison St., Chicago, Ill.  
 Dixie Cup Co., Easton, Pa.  
 The C. B. Dolge Co., Westport, Conn.  
 Donjer Products, 1115 Sterling Pl., Brooklyn 13M, N. Y.  
 W. F. Dougherty & Sons, 1009 Arch St., Philadelphia 7, Pa.  
 Doughnut Corp. of America, 393 7th Ave., New York 1, N. Y. (See page 17)  
 B. F. Drakenfeld & Co., Inc., 45 Park Pl., New York 7, N. Y.  
 Drucker Surplus Co., Inc., 648 Broadway, New York, N. Y. (See page 92)  
 Duplicating Machines & Paper Co., 1505 Race St., Philadelphia 2, Pa.  
 E. I. DuPont de Nemours & Co., Inc., Wilmington 98, Del.  
 Dura-Ware, Beverly, N. J.  
 The Duro Co., 537 E. Monument Ave., Dayton 1, Ohio  
 Dwinnell Craft Shop, 2312 National Rd., Wheeling, Elm Grove, West Va. (See page 91)

**E**

E & J Mfg. Co., 6116 San Fernando Rd., Glendale 1, Calif.  
 Eagle Regalia Co., 298 Broadway, New York 7, N. Y.  
 Eastern Cabinet Works, 3456 E. Jeffer-

son, Detroit 7, Mich. (See page 42)  
 Ebeco Mfg. Co., 401 W. Town St., Columbus 8, Ohio  
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 Edlund Co., Burlington, Vt.  
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 J. J. Enright, Inc., 148-150 Greene St., New York 12, N. Y.  
 The Enterprise Mfg. Co., 110 N. Union St., Akron 9, Ohio (See page 49)  
 Ester Leather Co., 145 St. Paul St., Rochester 4, N. Y.

**F**

Far Eastern Sculpstone Co., Inc., 159 E. 28th St., New York 16, N. Y. (See page 94)  
 Fearn Laboratories, Inc., 9353 Belmont Ave., Franklin Park, Ill.  
 Fellowcrafters, Inc., 18 Oliver St., Boston 10, Mass.  
 The Felt Crafters, Chadwick St., Plaistow, N. H.  
 Film Classic Exchange, Fredonia, N. Y.  
 Films, Inc., 330 W. 42nd St., New York 18, N. Y.  
 Fisher Studio, Inc., 803 Lincoln Pl., Brooklyn 16, N. Y.  
 Florida Citrus Commission, Lakeland, Fla.  
 Florida Supply House, Inc., 413-19 12th St., West., Bradenton, Fla.  
 H. Friedman & Sons, Inc., 30 Cooper Square, New York, N. Y.  
 Fulton Bag & Cotton Mills, Atlanta, Ga. (See page 105)  
 Fun with Felt Corp., 390 Fourth Ave., New York 16, N. Y. (See page 91)  
 Fyr-Fyter Co., 221 Crane St., Dayton, Ohio

**G**

Game-Time, Inc., Litchfield, Mich.  
 Gassman's Archery Center, 1724 Fredericksburg Rd., San Antonio, Texas  
 Gayercraft, Inc., 1906 Pine St., St. Louis 3, Mo.  
 General American Transportation Co., Plastics Div., 135 S. LaSalle St., Chicago, Ill.  
 General Bandages, Inc., 531 Plymouth St., Chicago 5, Ill.  
 General Detroit Corp., Detroit 32, Mich.  
 General Foods, Institutional Dept., 230

Park Ave., New York 17, N. Y.  
 General Fruit Products, Inc., Box 385,  
 Pt. Pleasant, N. J.  
**General Slicing Machine Co., Inc.,**  
 Walden, N. Y. (See page 22)  
 Gimbel Bros., Philadelphia 5, Pa.  
 Girl Scouts, National Equipment Service,  
 155 E. 44th St., New York 17, N. Y.  
 Gold Star Products, Inc., 4403 Russell  
 St., Detroit 7, Mich.  
**Robert J. Golka Co., 400 Warren Ave.,**  
 Brockton 64, Mass. (See page 57)  
 Goulds Pumps, Inc., Seneca Falls, N. Y.  
 Gravymaster Co., Inc., 43-44 21st St.,  
 Long Island City 1, N. Y.  
 Gresham & Co., Inc., 2747 Southwest  
 Blvd., Kansas City, Mo.  
 Grey Owl Indian Craft Co., 1569 Nost-  
 rand Ave., Brooklyn 26, N. Y.  
 Griffin Craft Supplies, 5515-21 Grove St.,  
 Oakland 9, Calif.  
**M. Grumbacher, Inc., 460 W. 34th St.,**  
 New York 1, N. Y. (See page 102)  
**Grumman Aircraft Engineering Corp.,**  
 Bethpage, L. I., N. Y. (See page 44)  
 The Guildcraft Co., 1305 Hertel Ave.,  
 Buffalo 16, N. Y.  
 Louis H. Guterman, Inc., 50 E. 42nd St.,  
 New York 17, N. Y.

**H**

Haggard & Marcusson, 1111 W. 37th St.,  
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 Hamilton Beach Co., Rapids Dr. and  
 Forest Ave., Racine, Wis.  
 Catherine T. Hammett, Box 97, Pleasant-  
 ville, N. Y.  
 Harvey Paper Products Co., Sturgis,  
 Mich.  
**Philip J. Harvey Co., 430 E. Woodbridge,**  
 Detroit, Mich. (See page 35)  
 H. J. Heinz Co., 1062 Progress St.,  
 Pittsburgh 12, Pa.  
 Hercules Chemical Co., Inc., 332 Canal  
 St., New York 13, N. Y.  
 Herff-Jones, 1401-19 N. Capitol Ave., In-  
 dianapolis 7, Ind.  
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 St., Chicago 10, Ill. (See page 15)  
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 Bldg., Philadelphia 7, Pa.  
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 Louisville 2, Ky.  
 The Hobart Mfg. Co., Troy, Ohio  
**Hobby Haven, Inc., 610 Fillmore Ave.,**

Buffalo 12, N. Y. (See page 91)  
 Hobby King Handicraft Supply, 1719  
 Excelsior Ave., Hopkins, Minn.  
 E. F. Hodgson Co., 393 Boylston St.,  
 Boston, Mass.  
 Hollywood Leathercrafters, 1605 N. Ca-  
 huenga Blvd., Hollywood 28, Calif.  
 Holmes Projector Co., 1815 Orchard St.,  
 Chicago, Ill.  
**Horton Handicraft Co., Farmington,**  
 Conn. (See page 99)  
 Hospital Equipment Corp., 95 Madison  
 Ave., New York, N. Y.  
 Hospital Supply & Watters Laboratories,  
 Inc., 155 E. 23rd St., New York 1,  
 N. Y.  
 House of Plastics, 8648 Linwood Ave.,  
 Detroit 6, Mich.  
 Frederick W. Huber, Inc., 268 W. Broad-  
 way, New York 13, N. Y.  
**Hussey Mfg. Co., Inc., Railroad St.,**  
 North Berwick, Me. (See pages 93  
 and 106)

**I**

Ideal Pictures Corp., 28 E. 8th St., Chi-  
 cago 5, Ill.  
 Illinois Range Co., Mt. Prospect, Ill.  
**Indian Archery & Toy Corp., 16-24 Clark**  
 St., Evansville, Ind. (See page 70)  
 Indianhead Archery & Mfg. Co., Lima,  
 Ohio  
 Industrial Drug Supplies, Inc., 79 Jef-  
 ferson St., New York 2, N. Y.  
 Insect Control & Research, Johnnycake  
 Rd., Baltimore 7, Md.  
 Institutional Cinema Service, Inc., 1560  
 Broadway, New York 19, N. Y.  
 International Film Foundation, Inc., 1600  
 Broadway, New York 19, N. Y.  
 International Molded Plastics, Inc., 4383  
 W. 35th St., St., Cleveland, Ohio  
 International Silver Co., Hotel Div.,  
 Meriden, Conn.

**J**

Jackson Dishwasher Co., 3703 E. 93rd  
 St., Cleveland 5, Ohio (See page 20)  
 Jaeger Machine Co., 550 W. Spring St.,  
 Columbus 16, Ohio  
**Johnson-Appleby Co., 600 Memorial Dr.,**  
 Cambridge 39, Mass. (See page 97)  
 H. A. Johnson Co., 221 State St., Bos-  
 ton 9, Mass.  
**J. Carlton Jones & Associates, Glenside,**  
 Pa. (See page 105)  
**John Wiley Jones, Caledonia, N. Y. (See**  
 page 24)  
**Paul S. Jones Co., Inc., 147 W. 22nd St.,**  
 New York 11, N. Y. (See page 15)

Robert A. Johnston Co., Milwaukee, Wisc.

Johnson & Johnson, 500 George St., New Brunswick, N. J.

Joys Bros. Co., 129 N. Water St., Milwaukee, Wis.

The Judson Press, 1703 Chestnut St., Philadelphia 3, Pa. (See pages 80 and 93)

Junior Weaving Co., Box 213, Chicago 90, Ill.

### K

Kaufmann's Army & Navy Stores, 318 W. 42nd St., New York, N. Y.

Kellogg Co., Porter & Stiles Sts., Battle Creek, Mich.

Ken-Kaye Krafts Co., 1277 Washington St., W. Newton, Mass.

Kennebec Boat & Canoe Co., Waterville, Me.

Kennedy Bros. Arms Co., 79 E. 5th St., St. Paul, Minn.

Walter Kidde & Co., 675 Main St., Belleville, N. J.

Adolph Kiefer & Co., 765 W. Lexington, Chicago 7, Ill. (See page 44)

Kier Photo Service, 1265 W. 2nd St., Cleveland 13, Ohio

S. D. Kisch, Inc., 47 W. 56th St., New York 24, N. Y.

Kit Kraft, 7377 Melrose Ave., Los Angeles 46, Calif.

Klenzade Products, Inc., Beloit, Wis.

The John Knox Press, Box 1176, Richmond 9, Va.

Kunz Motion Picture Service, 1905 Sanderson Ave., Scranton, Pa. (See page 102)

### L

Edwin W. Lane Co., 32 W. Randolph St., Chicago 1, Ill. (See page 105)

Lancaster Pump & Mfg. Co., 118 W. Chestnut St., Lancaster, Pa.

J. C. Larson Co., 180 N. Wacker Dr., Chicago, Ill. (See page 52)

Leather Clearing House, South Acton, Mass.

Francis H. Leggett & Co., 12th Ave. and 27th St., New York 1, N. Y.

Harold Leonard & Co., 61 E. 11th St., New York 3, N. Y.

Lifetilt Corp., Oconomowoc, Wis.

Lignum-Vitae Products Corp., 96 Boyd Ave., Jersey City, N. J.

Lily Mills Co., Shelby, N. C. (See page 57)

Lily-Tulip Cup Corp., 122 E. 42nd St., New York 17, N. Y.

Lindsey Sales, 3518 Elmley Ave., Balti-

more 13, Md.

Lindstaedt & King, P. O. Box 297, San Anselmo, Calif. (See page 21)

Little, Brown & Co., 34 Beacon St., Boston, Mass.

Lorick Supply Co., Inc., 44 Cliff St., New York 7, N. Y.

### M

M. D. Laboratory Products Co., P. O. Box 169, Evanston, Ill. (See page 68)

The Macmillan Co., 60 5th Ave., New York 11, N. Y.

R. H. Macy & Co., Herald Square, New York 1, N. Y. (See page 3)

Magnus Brush & Craft Materials, 108 Franklin St., New York 13, N. Y. (See page 91)

Maher Movies, 503 New Britain Ave., Hartford 6, Conn.

Alfred Mainzer, 118 E. 28th St., New York 16, N. Y.

The Manual Arts Press, Peoria 3, Ill. (See Chas. A. Bennett Pub. Co.)

Maple Leaf Plastics Co., 703 Bloor St., W., Toronto, Ontario, Canada

R. Mars . . . The Contract Co., 410 First St., S. E., Washington 3, D. C.

Mathieson Chemical Corp., Mathieson Bldg., Baltimore 3, Md.

Maxwell-Wirges Publishing, 1650 Broadway, New York 19, N. Y.

Mayflower Surgical Supply Co., 2480 86th St., Brooklyn 14, N. Y.

Walter McCook & Son, Inc., 711 Arch St., Philadelphia 6, Pa.

McGraw-Hill Book Co., Inc., 330 W. 42nd St., New York 18, N. Y.

McKnight & McKnight, Market & Center Streets, Bloomington, Ill.

Medical Supply Co., 75 W. Van Buren, Chicago 5, Ill.

Metal Goods Corp., 5239 Brown Ave., St. Louis 15, Mo.

Metropolitan Wire Goods Corp., 70 Washington St., Brooklyn 1, N. Y.

Millar Publishing Co., 538 S. Wells St., Chicago 7, Ill.

Milwaukee Lace Paper Co., 1306 E. Meinecke Ave., Milwaukee 12, Wis.

Henry Modell & Co., 700 Broadway, New York 3, N. Y.

Mohawk Craftsmen, Califon, N. J. (See page 106)

E. R. Moore Co., 932 Dakin St., Chicago 13, Ill. (See page 4)

### N

National Bureau of Private Schools, 522 5th Ave., New York, N. Y. (See pages 29 and 103)

National China & Equipment Corp., 214-18 E. 4th St., Marion, Ind.

National Film Service, 14 Glenwood Ave., Raleigh, N. C. (See page 102)

National Foundation for Infantile Paralysis, Inc., 120 Broadway, New York 5, N. Y.

National Handicraft Co., Inc., 199 William St., New York 7. (See page 99)

National Recreation Assoc., 315 Fourth Ave., New York 10, N. Y.

National Rifle Assoc., 1600 Rhode Island Ave., N. W., Washington 6, D. C.

National Sports Equipment Co., 19 E. McWilliam St., Fond du lac, Wis.

Neel & Venables Mfg. Co., 1643 Hartford Ave., St. Paul 5, Minn.

New York Herald Tribune, 230 W. 41st St., New York 18, N. Y.

New York Scientific Supply Co., 28 W. 30th St., New York, N. Y. (See page 101)

The New York Times, Times Square, New York 18, N. Y.

Nichols Plastic & Engineering Co., 13007 S. Main St., Los Angeles, Calif.

Nissen Trampoline Co., 200 A Ave., N. W. Cedar Rapids, Ia.

The Nixon Co., Indian Orchard, Mass.

Norcross-Eldridge, Inc., 15-19 Evelyn St., Rutland, Vt.

Nordblom Co., 50 Congress St., Boston 9, Mass.

North American Trunk Mfg. Co., 1624 Broadway, Brooklyn 7, N. Y.

Northern Industrial Chemical Co., 7-11 Elkins St., South Boston, Mass.

Nu-Art Films, Inc., 145 W. 45th St., New York 19, N. Y.

**O**

Ocean Pool Supply Co., 1140 Broadway, New York 1, N. Y.

Official Films, Inc., 25 W. 45th St., New York 19, N. Y.

Old Town Canoe Co., Old Town, Me. (See page 46)

Oneida Ltd., Hotel & Restaurant Div., Oneida, N. Y.

The O-P Craft Co., Inc., Sandusky, Ohio

Wm. J. Orkin, Inc., 373 Washington St., Boston 8, Mass. (See page 100)

Osborn Bros. Supply Co., 223 W. Jackson Blvd., Chicago 6. (See page 54)

Outdoor Supply Co., Inc., 565 Broadway, New York 12, N. Y.

**P**

Paddock Sales of Texas, 3727 Atwell St., Dallas 9, Texas

John C. Paige & Co., 40 Broad St., Boston, Mass.

Parents Magazine, 52 Vanderbilt Ave., New York 17, N. Y. (See page 26)

Thelma Patterson, Hotel Pearson, Chicago 11, Ill.

Peacock Visual Transcripts, 15 Southminster Dr., White Plains, N. Y.

Pearly C Products, 355 E. 81 St., New York 28, N. Y.

Ben Pearson Co., 4th & Orange, Pine Bluff, Ark.

Peck-Kerron Co., 11 W. 42nd St., New York, N. Y. (See page 25)

Arthur L. Peirson, Inc., 189 Chrystie St., New York 2, N. Y.

Pennsylvania Rubber Co., Jeannette, Pa.

Peoria Malleable Castings Co., Ft. of Alexander St., Peoria, Ill.

Perfex, Inc., 47 Dinsmore Pl., Brooklyn 8, N. Y. (See page 33)

Peripole Products, Inc., 2917 Ave. R, Brooklyn 29, N. Y.

Parker D. Perry, Inc., 729 Boylston St., Boston 16, Mass.

Pfaelzer Bros., Inc., Union Stock Yards, Chicago, Ill.

Philadelphia Textile Finishers, Ford and Lafayette Sts., Norristown, Pa.

O. R. Pieper Co., 158 North Broadway, Milwaukee, Wis.

Pillsbury Mills, Inc., Minneapolis, Minn. (See page 10)

Pitman Publishing Corp., 2 W. 45th St., New York 19, N. Y. (See page 91)

Pittsburgh Chemical Laboratory, Inc., 405 Penn Ave., Pittsburgh 22, Pa.

Plastic Molders, Inc., 3670 Milwaukee Ave., Chicago, Ill.

Plastic Parts & Sales, 1157 S. Kingshighway, St. Louis 10, Mo.

Plastics, Inc., 224 Ryan St., St. Paul, Minn.

Plastics Mfg. Co., 825 Trunk Ave., Dallas, Texas

Playhats, Revere, Mass.

Fayette R. Plumb, Inc., Philadelphia 37, Pa.

Plume Trading & Sales Co., Inc., 155 Lexington Ave., New York 16, N. Y. (See page 91)

Pocket Books, Inc., 1230 6th Ave., New York 20, N. Y.

Porto Pump, Inc., 227 Iron St., Detroit 7, Mich.

Pottery Arts Supply Div., Pemco Corp., 2554 Greenmount Ave., Baltimore 18, Md.

Precision Machine Co., 241 Pearl St., Somerville 45, Mass.

Premier Paper Co., Inc., 475 5th Ave., New York 17, N. Y.

Press-On, Inc., 2432 Grand Concourse, New York 57, N. Y.

% Proportioners, Inc., %, 47 Codding St., Providence, R. I. (See pages 95 and 106)

Puritan Beef Co., 14-16 Grace Ave., New York 14, N. Y.

Pyrene Mfg. Co., 100 Empire St., Newark 8, N. J.

### Q

Quaker Oats Co., 141 W. Jackson Blvd., Chicago, Ill.

### R

The Rafter Crafters, Box 97, Pleasantville, N. Y.

B. A. Railton Co., 463-405 W. Erie St., Chicago, Ill. (See page 98)

RCA Victor Div., Radio Corp. of America, Camden, N. J.

Redbook Magazine, 444 Madison Ave., New York, N. Y.

C. A. Reed Co., Williamsport 62, Pa.

Reed & Barton, Taunton, Mass.

Refined Products Corp., Lyndhurst, N. J.

Regal Foods, Inc., 37 Vestry St., New York 13, N. Y.

Regal Products Ltd., Gays Mills and Adams, Wis. (See page 47)

Revere Camera Co., 320 E. 21st St., Chicago 16, Ill.

Reynolds Electric Co., 3067 River Rd., River Grove, Ill.

Richmond Oil, Soap & Chemical Co., Inc., 1041-43 Frankford Ave., Philadelphia 25, Pa. (See page 95)

Rival Foods, Inc., 38 Henry St., Cambridge, Mass.

Rockaway Sales Co., Rockaway, N. J.

Rogers Electric Kilns, 21 W. Glenside Ave., Glenside, Pa.

Ronald Press Co., 15 E. 26th St., New York, N. Y.

### S

Saks, Fifth Ave., at 49th St., New York 20, N. Y. (See page 14)

Julian Salomon, Girl Scouts, 155 E. 44th St., New York, N. Y.

Nat J. Sand Co., 771 S. Front St., Columbus, Ohio (See Back Cover)

Sanco Equipment Co., 24 E. 13th St., New York 3, N. Y. (See pages 93, 95, 96, 100 and 101)

W. B. Saunders Co., West Washington Square, Philadelphia 5, Pa.

Sealright Co., Inc., Fulton, N. Y.

The Seamless Rubber Co., 253 Hallock Ave., New Haven 3, Conn.

Ad Seidel & Son, Inc., 1245 W. Dickens, Chicago 14, Ill.

Service Appliance Corp., 1775 Broadway, New York 19, N. Y.

John Sexton & Co., P. O. Box JS, Chicago 90, Ill. (See pages 13 and 12)

Shelart Studios, 3202 6th St., St. Petersburg, Fla.

Shell-Art Novelty Co., Cor. 5th and Moore Sts., Philadelphia 43, Pa. (See page 104)

Sim-Cote Products Co., Granville, N. Y. (See page 65)

A. M. Skier Co., Hawley, Pa.

D. B. Smith & Co., 408 Main St., Utica 2, N. Y.

Smith-Junior Co., 266 Lyell Ave., Rochester 6, N. Y.

Society for Visual Education, Inc., 100 E. Ohio St., Chicago 11, Ill.

Solvay Sales Div., Allied Chemical & Dye Corp., 43 Exchange Place, New York 5, N. Y. (See page 25)

A. G. Spalding & Bros., 19 Beekman St., New York 7, N. Y.

Sprayer Corp. of America, 1712 Payne St., Evanston, Ill.

Standard Brands, Inc., 585 Madison Ave., New York 22, N. Y.

Standard Gas Equipment Corp., Bayard and Hamburg Sts., Baltimore 30, Md.

Standard Steel Products Mfg. Co., 2836 S. 16th, Milwaukee 7, Wis.

Star Tank & Boat Co., East Madison St., Goshen, Ind.

W. B. Stebbins, 5A College Rd., Durham, N. H.

Steele-Wedeles Co., Dearborn St. Bridge, Chicago 10, Ill.

L. E. Stemmler Co., Long Bow Acres, Manoville, L. I., N. Y.

Stephenson Corp., 157 Broad St., Red Bank, N. J. (See page 104)

Stock Yards Packing Co., Inc., 1107 W. Fulton St., Chicago 7, Ill.

Stokeley-Van Camp, Inc., Indianapolis 7, Ind.

Sto-Rex Craft Div., Western Mfg. Co., 149 9th St., San Francisco, Calif.

Nathan Straus-Duparquet, Inc., 33 E. 17th St., New York 3, N. Y.

Stylecraft Mfg. Co., 717 Sycamore St., Cincinnati 2, Ohio

Sun-Filled Industries, Inc., 545 5th Ave., New York, N. Y.

Supreme Label Co., Inc., 109 W. 27th St., New York 1, N. Y.  
 Sutherland Paper Co., Kalamazoo 13-D, Mich.  
 Swift & Co., Union Stock Yards, Chicago, Ill.

## T

Tab Tent Mfg. Co., 903 Ackerman Ave., Syracuse 10, N. Y.  
 Alex Taylor & Co., 22 E. 42nd St., New York 17, N. Y.  
 Tempo Chemical Co., Inc., 47-02 5th Ave., Long Island City 1, N. Y.  
**Thayer & Chandler**, 910 W. Van Buren St., Chicago, Ill. (See page 91)  
 Theatre Production Service, 1430 Broadway, New York 18, N. Y.  
**Todd Shipyards Corp.**, Combustion Equip. Div., Elmhurst, N. Y. (See page 40)  
**Chas. A. Toebe Leather Co.**, 40 N. 3rd St., Philadelphia 6, Pa. (See page 99)  
**Toebe Leathercraft Co.**, 149 N. 3rd St., Philadelphia 6, Pa. (See pages 52, 91 and 99)  
 Totem Industries, 716 West Madison St., Chicago, Ill.  
 Henry Town Laboratories, 715 S. Dickinson St., Madison 4, Wis.  
 The Turner & Seymour Co., Torrington, Conn.

## U

U. S. Envelope Co., Paper Cup Div., 68 Prescott St., Worcester 5, Mass.  
 U. S. Medal & Emblem Co., 35 Maiden Lane, New York 7, N. Y.  
 Universal Dishwashing Machinery Co., 50 Windsor Pl., Nutley, N. J.  
 Universal Foods Corp., 3005 W. Carroll, Chicago 12, Ill.  
**Universal Handicrafts Service, Inc.**, 1267 6th Ave., New York 19, N. Y. (See pages 92, 94, 99, 100, 102 and 106)  
**University Hobby Crafts**, 1701 Macombs Rd., New York 53, N. Y. (See page 92)  
 Unsinger - AP Corp., 1801 Speilbusch Ave., Toledo 1, Ohio

## V

Van Brode Milling Co., Inc., Clinton, Mass.  
 C. J. Van Houten & Zoon, Inc., 537 Greenwich St., New York, N. Y.  
**Velva-Sheen Mfg. Co.**, 615 W. McMicken Ave., Cincinnati 14, Ohio (See page 2)  
**Vermont Accident Insurance Co.**, Rutland, Vt. (See pages 29 and 98)

Victor Animatograph Corp., Hickory Grove Rd., Davenport, Ia.  
 Virginia-Carolina Chemicals Corp., Richmond, Va.  
 Virginia Smelting Co., West Norfolk, Va.  
**W. J. Voit Rubber Corp.**, 1600 E. 25th St., Los Angeles 11, Calif. (See page 63)

## W

Wagemaker Co., Grand Rapids, Mich.  
 Wallace & Tiernan Co., Inc., 1 Main St., Belleville 9, N. J.  
 Ward's Natural Science Establishment, 3000 Ridge Rd., East, Rochester 9, N. Y.  
 Washington Dehydrated Food Co., Yakima, Wash.  
**Water Safety Co.**, Ampere, N. J. (See page 93)  
 The Watertown Mfg. Co., 700 Porter St., Watertown, Conn.  
 Webb Mfg. Co., 4th & Cambria Streets, Philadelphia 33, Pa.  
 Emily Welch, RFD, Pleasant Valley, N. Y.  
**Wesbar Stamping Corp.**, Dept. CD 50, West Bend, Wis. (See page 93)  
 West Disinfecting Co., 41-16 West St., Long Island City, N. Y.  
**Western Crafts & Hobby Supply**, 215 E. 3rd St., Davenport, Ia. (See page 92)  
 White Canoe Co., 156 S. Water St., Old Town, Me.

G. L. Williamson, 25 W. 45th St., New York 19, N. Y.  
 Wilson & Co., Inc., 4100 S. Ashland Ave., Chicago 9, Ill.  
 Wilson Sporting Goods Co., 2037 N. Campbell Ave., Chicago, Ill.  
 Winthrop Associates, 25 Arch St., Boston, Mass.  
 Winthrop-Stearns, Inc., 107 Varick St., New York 13, N. Y.  
 Wolber Duplicator & Supply Co., 1201 Courtland St., Chicago 14, Ill.  
 The Woman's Press, 600 Lexington Ave., New York 22, N. Y.  
 Glenn S. Woolley & Co., 56 Boulbee Ave., Toronto, Ontario, Canada  
 World Sea Shell Supply, 224 W. 23rd St., New York 11, N. Y.  
 Wright & Ditson, 462 Boylston St., Boston 16, Mass.

## XYZ

Xacto Crescent Products Co., 440 4th Ave., New York 16, N. Y.  
 Young America Films, Inc., 18 E. 41st St., New York 17, N. Y.